

Converting Colors

XYZ(77.6343, 81.8175, 90.2821)

Have a look what the booklet for
XYZ(77.6343, 81.8175, 90.2821)
contains.

XYZ(77.6969, 81.9996, 90.3297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(77.6969, 81.9996,
90.3297)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EAEB
RGB	232, 234, 235
RGB Percent	91%, 92%, 92%
CMY	0.0902, 0.0823, 0.0784
CMYK	0.01, 0.00, 0.00, 0.08
HSL	200°, 7%, 92%
HSV	200°, 1%, 92%
XYZ	77.6969, 81.9996, 90.3297
YIQ	233.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

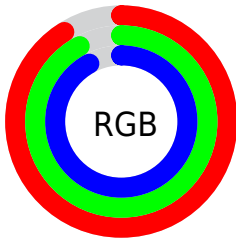
Format	Color
R _Y B	232, 233, 235
Decimal	15264491
CIE Lab	92.57, -0.48, -0.73
CIE LCh	93, 0.874, 236.425
Yxy	81.9996, 0.3108, 0.3280
Android (android.graphics.Color)	4293454571 (0xFFE8EAEB)
YUV	233.5160, 0.7316, -1.3295
Hunter-Lab	90.5536, -5.3121, 4.2442

Details

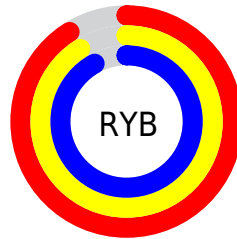
The XYZ color **77.6969, 81.9996, 90.3297** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.9654, 81.7652, 88.0181**, and the grayscale version is **77.8384, 81.8921, 89.1805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9616, 44.3256, 48.9919** is the 20% darker color. If you saturate the color by 10%, you get **68.4009, 73.9843, 89.2738**, and if you desaturate by 10%, it is **87.9306, 90.6481, 91.4609**.

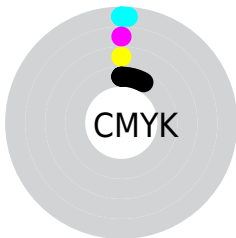
Distribution



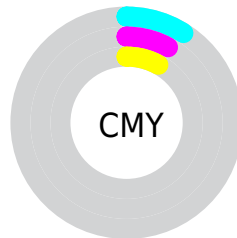
- Red (91%)
- Green (92%)
- Blue (92%)



- Red (91%)
- Yellow (91%)
- Blue (92%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6969, 81.9996, 90.3297 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.6969, 81.9996, 90.3297 by changing the saturation by 10% instead.

■ 77.6969, 81.9996,
90.3297

■ 77.6969, 81.9996,
90.3297

475.9924,
501.6464, 549.7005

■ 58.1269, 61.3652,
67.6789

129.0904,
136.1734, 149.7358

■ 42.1544, 44.5200,
49.1715

161.6446,
170.4817, 187.3281

■ 29.4138, 31.0795,
34.3890

199.2577,
210.1166, 230.7381

■ 19.5399, 20.6594,
22.9128

242.2949,
255.4627, 280.3842

■ 12.1674, 12.8753,
14.3244

291.1216,
306.9044, 336.6849

■ 6.9308, 7.3427,
8.2053

346.1032,

■ 3.4648, 3.6773,

364.8259, 400.0588

4.1370

407.6050,
429.6118, 470.9245

■ 1.4041, 1.4948,
1.7008

■ 0.2591, 0.2850,
0.3613

■ 77.6969, 81.9996,
90.3297

■ 77.6969, 81.9996,
90.3297

■ 68.4009, 73.9843,
89.2738

■ 87.9306, 90.6481,
91.4609

■ 60.1791, 66.6638,
88.2941

■ 90.3002, 95.3873,
92.2508

■ 52.9895, 60.0170,
87.3901

■ 91.9956, 98.7783,
92.8159

■ 46.7850, 54.0175,
86.5591

■ 41.5143, 48.6371,
85.7984

■ 37.1212, 43.8447,
85.1049

■ 33.5432, 39.6061,
84.4753

■ 30.7086, 35.8822,
83.9059

■ 28.5315, 32.6266,
83.3923

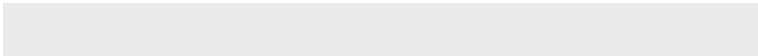
Harmonies

Analogous

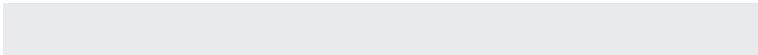
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5477, 81.9996, 89.8414



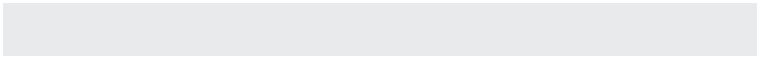
77.6969, 81.9996, 90.3297



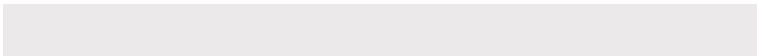
77.9109, 81.9996, 90.5377

Triad

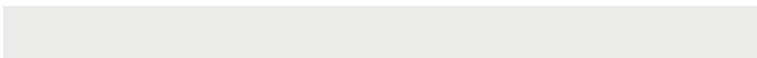
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6969, 81.9996, 90.3297



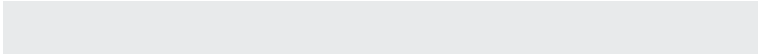
78.3748, 81.9996, 89.3616



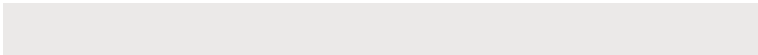
77.7440, 81.9996, 88.1683

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



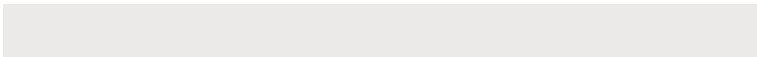
77.6969, 81.9996, 90.3297



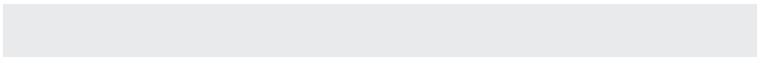
77.9654, 81.7652, 88.0181

Split Complementary

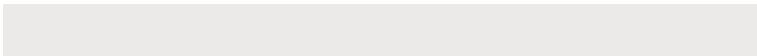
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9654, 81.9996, 88.0412



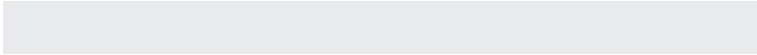
77.6969, 81.9996, 90.3297



78.3299, 81.9996, 88.7282

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



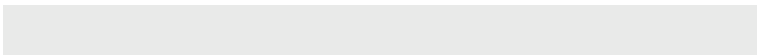
77.6969, 81.9996, 90.3297



78.3026, 81.9996, 89.9771



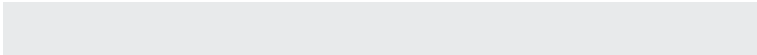
78.1799, 81.9996, 88.2457



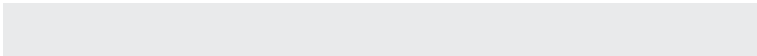
77.5749, 81.9996, 88.5937

Rectangle

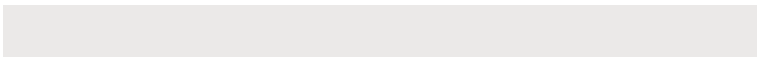
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



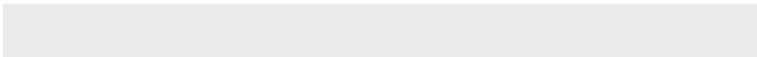
77.6969, 81.9996, 90.3297



78.0617, 81.9996, 90.4886



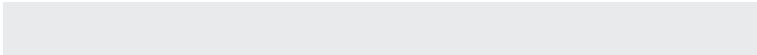
78.1799, 81.9996, 88.2457



77.8147, 81.9996, 88.0893

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.6992, 82.0031, 90.3315

95.0500, 100.0000, 108.9000



77.6890, 82.4541, 88.8751



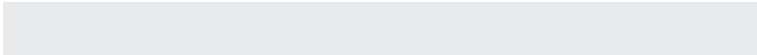
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

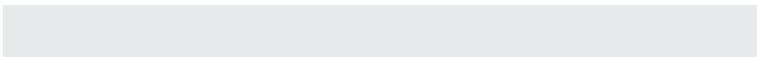
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6992, 82.0031, 90.3315



92.6607, 97.9699, 108.6341



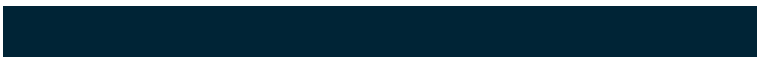
77.2869, 81.1785, 90.1941



16.5984, 17.5444, 19.4338



15.1757, 16.9985, 46.2242



1.2793, 1.5101, 3.6589

Inverse Universe

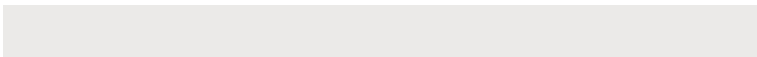
The Inverse Universe completely reimagines the original color for something new.



77.9706, 81.3173, 89.4324



93.1731, 96.6805, 106.9354



78.3787, 82.5918, 88.1559



16.6848, 17.3268, 19.1474



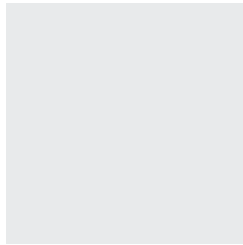
22.5153, 11.2088, 19.0468



1.8122, 0.8979, 1.7286

Previews

White Background



This preview shows how the XYZ color 77.6969, 81.9996, 90.3297 looks on a white background.

Color Contrast Check

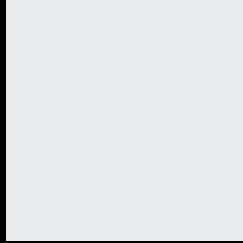
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.6969, 81.9996, 90.3297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

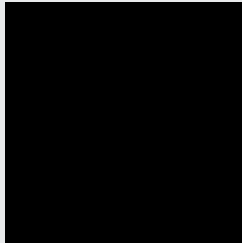
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

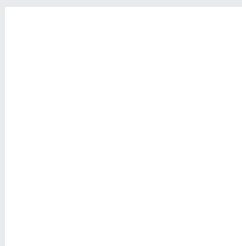
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6969, 81.9996, 90.3297

Background



This preview shows how black text looks on a background with the XYZ color 77.6969, 81.9996, 90.3297.



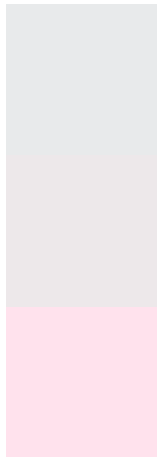
This preview shows how white text looks on a background with the XYZ color 77.6969, 81.9996,

90.3297.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.6969, 81.9996, 90.3297

Protanopia

78.6329, 81.6583, 89.4591

Deuteranopia

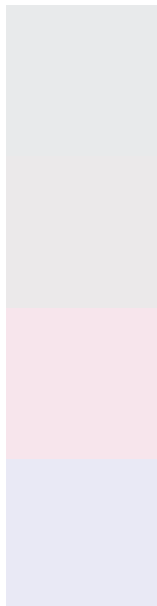
83.7224, 81.7671, 91.4908



Tritanopia

80.0436, 82.1078, 102.0721

Trichromacy



Original Color

77.6969, 81.9996, 90.3297

Protanomaly

78.2511, 81.8805, 89.5221

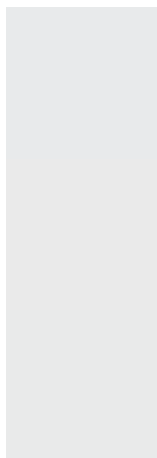
Deuteranomaly

81.5174, 81.8689, 90.8627

Tritanomaly

79.2246, 82.1940, 98.0757

Monochromacy



Original Color

77.6969, 81.9996, 90.3297

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8784, 82.1098, 89.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6969, 81.9996, 90.3297 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(232, 234, 235) looks like.

```
.text, #text, p{  
    color:rgb(232, 234, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 234, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 234, 235) }
```

Border

The CSS property to change the border of an element to XYZ 77.6969, 81.9996, 90.3297 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 234, 235) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 234, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 234, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 234, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 234, 235);  
box-shadow:4px 4px 4px 4px rgb(232, 234,  
235) }
```


Background

The CSS property to change the background color of an element to XYZ 77.6969, 81.9996, 90.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 234, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
234, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor