

Converting Colors

XYZ(77.8689, 81.8765, 91.6960)

Have a look what the booklet for
XYZ(77.8689, 81.8765, 91.6960)
contains.

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Color

**XYZ(77.9876, 82.1159,
91.8603)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EAED
RGB	232, 234, 237
RGB Percent	91%, 92%, 93%
CMY	0.0902, 0.0823, 0.0706
CMYK	0.02, 0.01, 0.00, 0.07
HSL	216°, 12%, 92%
HSV	216°, 2%, 93%
XYZ	77.9876, 82.1159, 91.8603
YIQ	233.7440, -2.1550, 0.5090

Conversions

Conversions Part 2

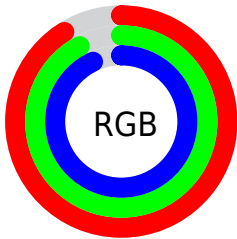
Format	Color
R _Y B	232, 233, 237
Decimal	15264493
CIE Lab	92.63, -0.12, -1.70
CIE LCh	93, 1.700, 265.877
Yxy	82.1159, 0.3095, 0.3259
Android (android.graphics.Color)	4293454573 (0xFFE8EAED)
YUV	233.7440, 1.6052, -1.5295
Hunter-Lab	90.6178, -4.9603, 3.3295

Details

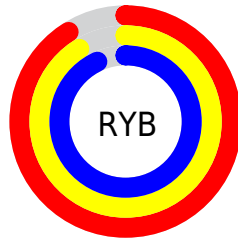
The XYZ color **77.9876, 82.1159, 91.8603** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.1990, 83.2464, 88.2391**, and the grayscale version is **78.0046, 82.0669, 89.3709**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1654, 44.4071, 50.0651** is the 20% darker color. If you saturate the color by 10%, you get **66.9254, 70.6519, 90.2318**, and if you desaturate by 10%, it is **90.1573, 94.6366, 93.6369**.

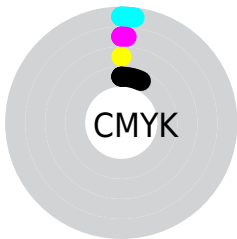
Distribution



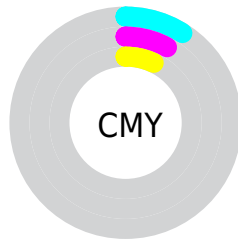
- Red (91%)
- Green (92%)
- Blue (93%)



- Red (91%)
- Yellow (91%)
- Blue (93%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9876, 82.1159, 91.8603 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 77.9876, 82.1159, 91.8603 by changing the saturation by 10% instead.

■ 77.9876, 82.1159,
91.8603

■ 77.9876, 82.1159,
91.8603

476.9652,
502.0353, 554.7894

■ 58.3665, 61.4611,
68.9422

129.4981,
136.3365, 151.8778

■ 42.3478, 44.5974,
50.1932

162.1183,
170.6711, 189.8142

■ 29.5660, 31.1404,
35.1947

199.8021,
210.3344, 233.5939

■ 19.6559, 20.7058,
23.5281

242.9151,
255.7108, 283.6354

■ 12.2519, 12.9091,
14.7750

291.8226,
307.1847, 340.3571

■ 6.9889, 7.3660,
8.5168

346.8898,

■ 3.5014, 3.6920,

365.1405, 404.1776

4.3349

408.4822,
429.9625, 475.5156

■ 1.4241, 1.5028,
1.8108

■ 0.2733, 0.2907,
0.4351

■ 77.9876, 82.1159,
91.8603

■ 77.9876, 82.1159,
91.8603

■ 66.9254, 70.6519,
90.2318

■ 90.1573, 94.6366,
93.6369

■ 57.1737, 60.3310,
88.7536

■ 92.2863, 98.8945,
94.3465

■ 48.6829, 51.1184,
87.4230

■ 41.3976, 42.9735,
86.2348

■ 35.2580, 35.8527,
85.1839

■ 30.1989, 29.7092,
84.2648

■ 26.1477, 24.4919,
83.4713

■ 23.0217, 20.1435,
82.7967

■ 20.7231, 16.5981,
82.2335

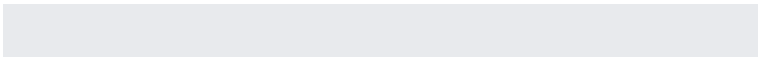
Harmonies

Analogous

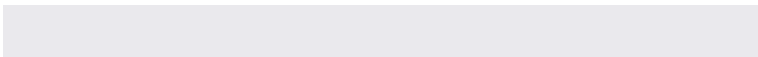
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5728, 82.1159, 91.4406



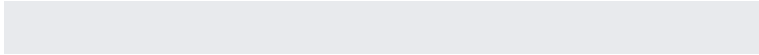
77.9876, 82.1159, 91.8603



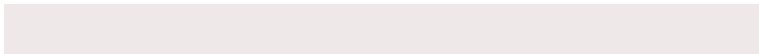
78.4203, 82.1159, 91.6184

Triad

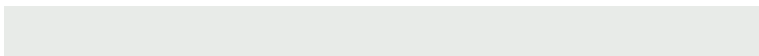
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9876, 82.1159, 91.8603



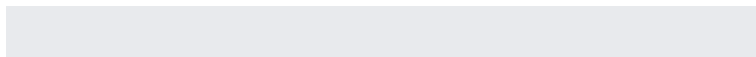
78.8160, 82.1159, 88.3520



77.3472, 82.1159, 88.0516

Complementary

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



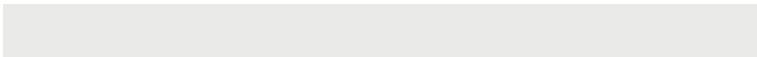
77.9876, 82.1159, 91.8603



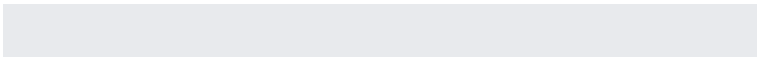
79.1990, 83.2464, 88.2391

Split Complementary

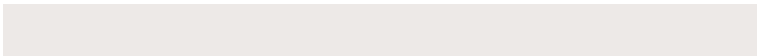
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6783, 82.1159, 87.2379



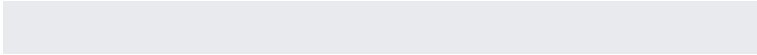
77.9876, 82.1159, 91.8603



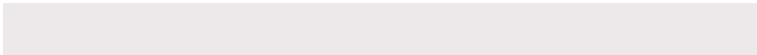
78.5265, 82.1159, 87.4102

Square

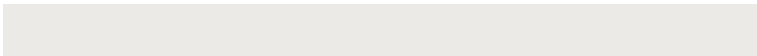
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



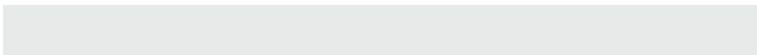
77.9876, 82.1159, 91.8603



78.8996, 82.1159, 89.5854



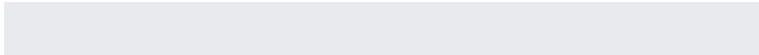
78.1098, 82.1159, 87.0042



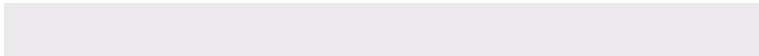
77.2040, 82.1159, 89.2353

Rectangle

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



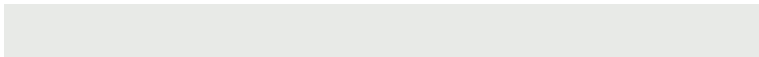
77.9876, 82.1159, 91.8603



78.6604, 82.1159, 91.1158



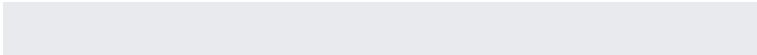
78.1098, 82.1159, 87.0042



77.4401, 82.1159, 87.7262

Sweetspot

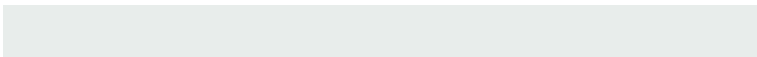
The Sweet Spot groups the original color and five complimentary colors.



77.9899, 82.1194, 91.8621



93.6325, 98.5485, 108.6945



78.5475, 83.7188, 90.5548



20.0562, 21.1088, 23.2673



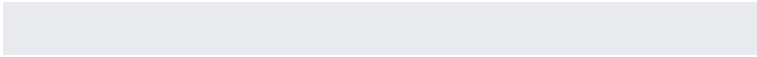
0.0000, 0.0000, 0.0000



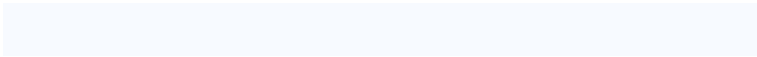
20.3446, 21.4041, 23.3091

Same Dimension

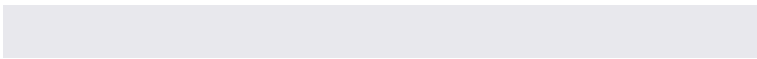
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9899, 82.1194, 91.8621



90.8464, 95.6879, 108.2892



77.5580, 81.0546, 91.6793



16.0608, 16.9213, 19.3419



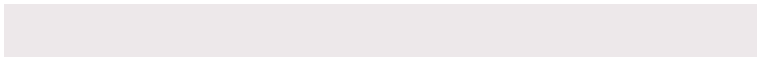
10.6996, 8.0462, 44.7321



0.9321, 0.8156, 3.5432

Inverse Universe

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



78.6347, 81.6598, 89.4635



91.9286, 94.9241, 104.2620



79.6370, 84.3287, 88.4249



16.3031, 16.7518, 18.4399



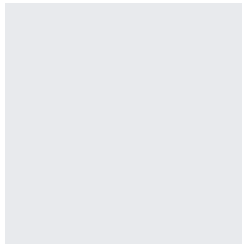
20.2560, 10.3051, 7.1493



1.6370, 0.8278, 0.8057

Previews

White Background



This preview shows how the XYZ color 77.9876, 82.1159, 91.8603 looks on a white background.

Color Contrast Check

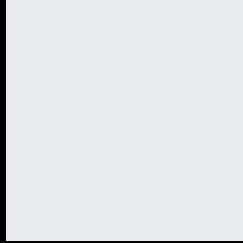
Large Text (above 18pt) WCAG AA × Fail

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 77.9876, 82.1159, 91.8603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

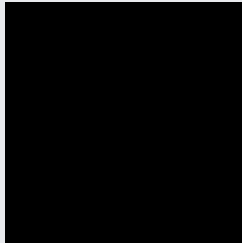
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

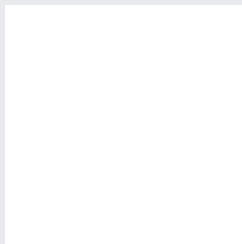
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9876, 82.1159, 91.8603

Background



This preview shows how black text looks on a background with the XYZ color 77.9876, 82.1159, 91.8603.



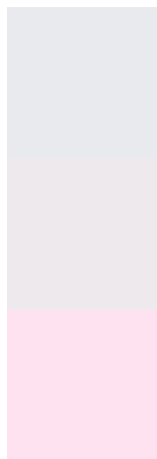
This preview shows how white text looks on a background with the XYZ color 77.9876, 82.1159,

91.8603.

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

77.9876, 82.1159, 91.8603

Protanopia

79.2043, 82.3385, 91.0753

Deuteranopia

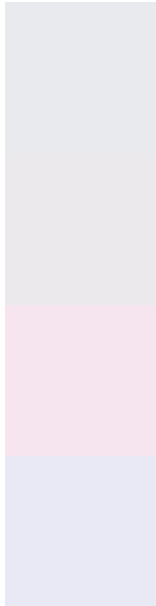
83.6494, 81.6955, 93.0214



Tritanopia

80.0436, 82.1078, 102.0721

Trichromacy



Original Color

77.9876, 82.1159, 91.8603

Protanomaly

78.5402, 81.9961, 91.0442

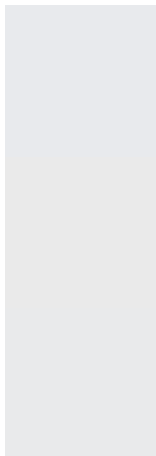
Deuteranomaly

81.4580, 81.8045, 92.3855

Tritanomaly

79.2246, 82.1940, 98.0757

Monochromacy



Original Color

77.9876, 82.1159, 91.8603

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0225, 82.1674, 90.3449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9876, 82.1159, 91.8603 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, 237) looks like.

```
.text, #text, p{  
    color:rgb(232, 234, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 234, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.9876, 82.1159, 91.8603 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, 237) }
```


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

```
.border{ border-color:rgb(232, 234, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 234, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 234, 237);  
box-shadow:4px 4px 4px 4px rgb(232, 234,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9876, 82.1159, 91.8603 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, 237) }
```

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

```
.background{ background-color: rgb(232,  
234, 237) }
```

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](#).

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