

Converting Colors

XYZ(77.0652, 80.9153, 91.4560)

Have a look what the booklet for
XYZ(77.0652, 80.9153, 91.4560)
contains.

XYZ(77.0977, 80.8166, 91.6564)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.0977, 80.8166,
91.6564)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E8ED
RGB	231, 232, 237
RGB Percent	91%, 91%, 93%
CMY	0.0941, 0.0902, 0.0706
CMYK	0.03, 0.02, 0.00, 0.07
HSL	230°, 14%, 92%
HSV	230°, 3%, 93%
XYZ	77.0977, 80.8166, 91.6564
YIQ	232.2710, -2.2010, 1.3430

Conversions

Conversions Part 2

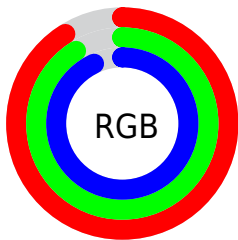
Format	Color
RYB	231, 232, 237
Decimal	15198445
CIELab	92.05, 0.57, -2.55
CIELCh	92, 2.612, 282.675
Yxy	80.8166, 0.3089, 0.3238
Android (android.graphics.Color)	4293388525 (0xFFE7E8ED)
YUV	232.2710, 2.3314, -1.1147
Hunter-Lab	89.8981, -4.2378, 2.4790

Details

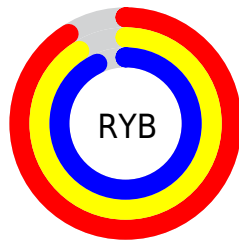
The XYZ color **77.0977, 80.8166, 91.6564** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3444, 83.7640, 87.5888**, and the grayscale version is **76.8910, 80.8953, 88.0950**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5450, 43.5008, 49.9229** is the 20% darker color. If you saturate the color by 10%, you get **64.7139, 66.6456, 89.5750**, and if you desaturate by 10%, it is **91.1457, 96.7761, 93.9977**.

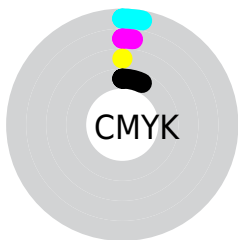
Distribution



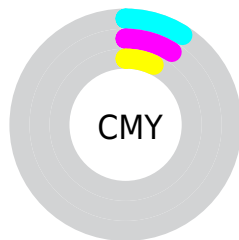
- Red (91%)
- Green (91%)
- Blue (93%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0977, 80.8166, 91.6564 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 77.0977, 80.8166, 91.6564 by changing the saturation by 10% instead.

■ 77.0977, 80.8166,
91.6564

■ 77.0977, 80.8166,
91.6564

473.9839,
497.6806, 554.1130

■ 57.6333, 60.3906,
68.7738

128.2495,
134.5132, 151.5926

■ 41.7560, 43.7335,
50.0569

160.6676,
168.5526, 189.4834

■ 29.1006, 30.4611,
35.0871

198.1342,
207.8985, 233.2140

■ 19.3016, 20.1888,
23.4459

241.0149,
252.9354, 283.2029

■ 11.9937, 12.5324,
14.7147

289.6748,
304.0477, 339.8687

■ 6.8115, 7.1073,
8.4750

344.4794,

■ 3.3898, 3.5293,

361.6197, 403.6300

4.3083

405.7939,
426.0359, 474.9052

■ 1.3631, 1.4139,
1.7959

■ 0.2297, 0.2269,
0.4253

■ 77.0977, 80.8166,
91.6564

■ 77.0977, 80.8166,
91.6564

■ 64.7139, 66.6456,
89.5750

■ 91.1457, 96.7761,
93.9977

■ 53.9255, 54.1904,
87.7396

■ 92.2863, 98.8945,
94.3465

■ 44.6690, 43.3884,
86.1424

■ 36.8742, 34.1693,
84.7738

■ 30.4650, 26.4577,
83.6231

■ 25.3587, 20.1718,
82.6790

■ 21.4631, 15.2222,
81.9289

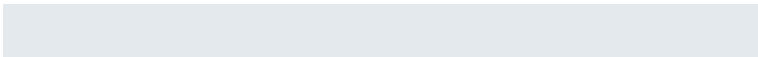
■ 18.6739, 11.5083,
81.3591

■ 16.8675, 8.9149,
80.9537

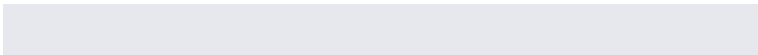
Harmonies

Analogous

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



76.4295, 80.8166, 91.5766



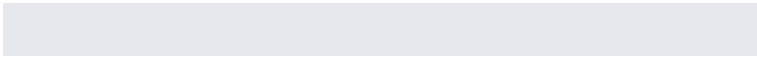
77.0977, 80.8166, 91.6564



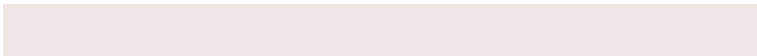
77.6932, 80.8166, 90.7450

Triad

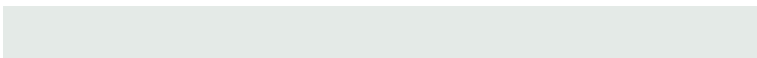
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0977, 80.8166, 91.6564



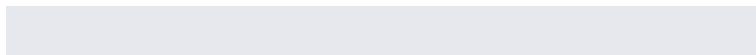
77.7679, 80.8166, 85.5103



75.5865, 80.8166, 86.8979

Complementary

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



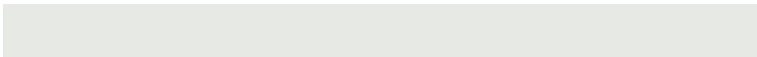
77.0977, 80.8166, 91.6564



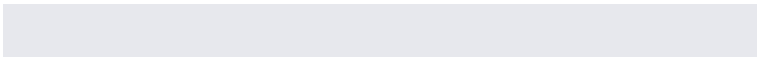
79.3444, 83.7640, 87.5888

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.



75.9410, 80.8166, 85.3022



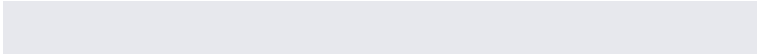
77.0977, 80.8166, 91.6564



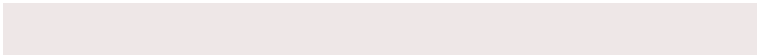
77.1993, 80.8166, 84.5091

Square

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



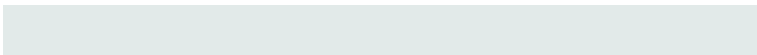
77.0977, 80.8166, 91.6564



78.0816, 80.8166, 87.1858



76.5305, 80.8166, 84.4335



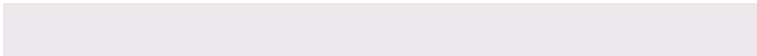
75.5597, 80.8166, 88.8102

Rectangle

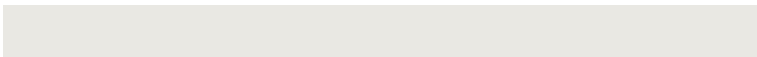
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



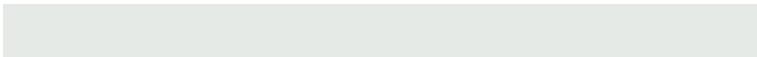
77.0977, 80.8166, 91.6564



77.9677, 80.8166, 89.7056



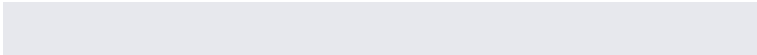
76.5305, 80.8166, 84.4335



75.6712, 80.8166, 86.3074

Sweetspot

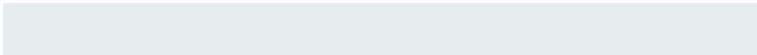
The Sweet Spot groups the original color and five complimentary colors.



77.1000, 80.8201, 91.6582



93.4444, 98.1722, 108.6318



78.3662, 83.6089, 91.2897



20.0179, 21.0322, 23.2545



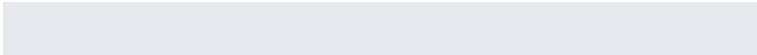
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

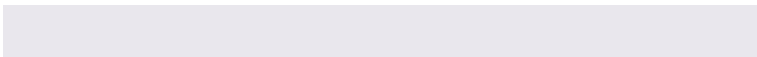
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1000, 80.8201, 91.6582



90.2927, 94.5806, 108.1047



77.4349, 80.5744, 91.5931



15.9373, 16.6743, 19.3007



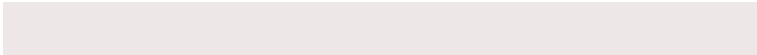
8.8172, 4.2815, 44.1047



0.7526, 0.4566, 3.4833

Inverse Universe

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



78.0682, 80.9841, 87.8649



91.6491, 94.8123, 102.7903



79.0032, 84.0184, 87.6559



16.2408, 16.7268, 18.1116



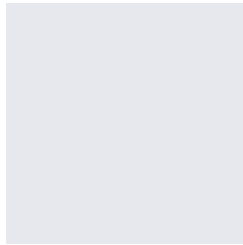
19.3058, 9.9250, 2.1459



1.5464, 0.7915, 0.3285

Previews

White Background



This preview shows how the XYZ color 77.0977, 80.8166, 91.6564 looks on a white background.

Color Contrast Check

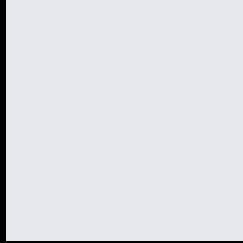
Large Text (above 18pt) WCAG AA × Fail

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 77.0977, 80.8166, 91.6564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

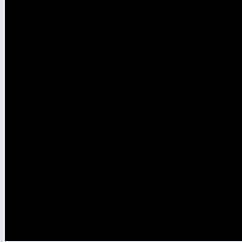
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

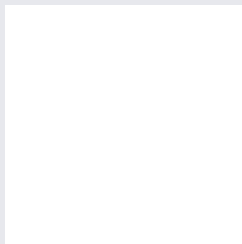
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0977, 80.8166, 91.6564

Background



This preview shows how black text looks on a background with the XYZ color 77.0977, 80.8166, 91.6564.



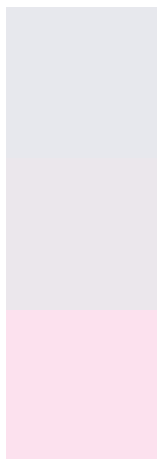
This preview shows how white text looks on a background with the XYZ color 77.0977, 80.8166,

91.6564.

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

77.0977, 80.8166, 91.6564

Protanopia

77.9772, 80.8701, 90.8565

Deuteranopia

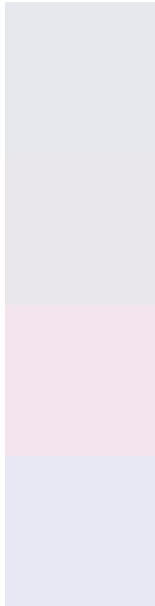
82.5027, 80.7189, 92.1209



Tritanopia

78.8444, 80.6946, 100.2270

Trichromacy



Original Color

77.0977, 80.8166, 91.6564

Protanomaly

77.6479, 80.7004, 90.8411

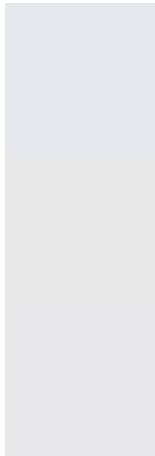
Deuteranomaly

80.4842, 80.8929, 92.2608

Tritanomaly

78.1838, 80.8393, 97.0708

Monochromacy



Original Color

77.0977, 80.8166, 91.6564

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.9866, 80.8095, 89.3821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0977, 80.8166, 91.6564 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(231, 232, 237) looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 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(231, 232, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.0977, 80.8166, 91.6564 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(231, 232, 237) }
```


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

```
.border{ border-color:rgb(231, 232, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0977, 80.8166, 91.6564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 237) }
```

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

```
.background{ background-color: rgb(231,  
232, 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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