

Converting Colors

XYZ(77.0850, 83.1397, 98.6397)

Have a look what the booklet for
XYZ(77.0850, 83.1397, 98.6397)
contains.

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Color

**XYZ(77.1802, 83.2712,
98.3913)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEEF5
RGB	222, 238, 245
RGB Percent	87%, 93%, 96%
CMY	0.1294, 0.0666, 0.0392
CMYK	0.09, 0.03, 0.00, 0.04
HSL	198°, 53%, 92%
HSV	198°, 9%, 96%
XYZ	77.1802, 83.2712, 98.3913
YIQ	234.0140, -11.7830, -1.2150

Conversions

Conversions Part 2

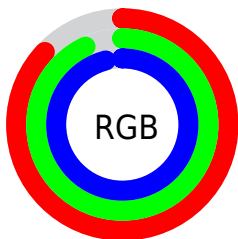
Format	Color
R _Y B	222, 231, 245
Decimal	14610165
CIE Lab	93.13, -3.93, -5.20
CIE LCh	93, 6.515, 232.915
Yxy	83.2712, 0.2982, 0.3217
Android (android.graphics.Color)	4292800245 (0xFFDEEEF5)
YUV	234.0140, 5.4161, -10.5363
Hunter-Lab	91.2531, -8.7207, -0.0508

Details

The XYZ color **77.1802, 83.2712, 98.3913** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.8608, 80.7247, 80.5339**, and the grayscale version is **78.1860, 82.2578, 89.5787**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8496, 45.3455, 54.6910** is the 20% darker color. If you saturate the color by 10%, you get **68.0901, 75.4323, 97.3586**, and if you desaturate by 10%, it is **87.4554, 91.8589, 99.5086**.

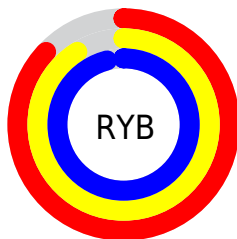
Distribution



Red (87%)

Green (93%)

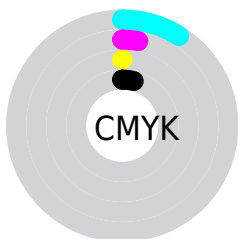
Blue (96%)



Red (87%)

Yellow (91%)

Blue (96%)

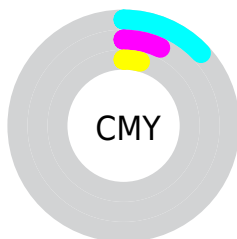


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (13%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1802, 83.2712, 98.3913 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 77.1802, 83.2712, 98.3913 by changing the saturation by 10% instead.

■ 77.1802, 83.2712,
98.3913

■ 77.1802, 83.2712,
98.3913

474.2607,
505.8899, 576.2252

■ 57.7012, 62.4139,
74.3483

128.3653,
137.9552, 160.9772

■ 41.8108, 45.3672,
54.5807

160.8022,
172.5508, 200.3573

■ 29.1437, 31.7468,
38.6698

198.2890,
212.4945, 245.6868

■ 19.3343, 21.1682,
26.1971

241.1912,
258.1708, 297.3844

■ 12.0176, 13.2470,
16.7440

289.8741,
309.9641, 355.8684

■ 6.8279, 7.5988,
9.8921

344.7031,

■ 3.4001, 3.8393,

368.2588, 421.5575

5.2228

406.0435,
433.4393, 494.8703

■ 1.3687, 1.5841,
2.3176

■ 0.2338, 0.3468,
0.7410

■ 77.1802, 83.2712,
98.3913

■ 77.1802, 83.2712,
98.3913

■ 68.0901, 75.4323,
97.3586

■ 87.4554, 91.8589,
99.5086

■ 60.1299, 68.3055,
96.4026

■ 92.8189, 98.0471,
100.4204

■ 53.2507, 61.8661,
95.5222

■ 93.4817, 99.3727,
100.6413

■ 47.3971, 56.0839,
94.7147

■ 42.5083, 50.9259,
93.9767

■ 38.5169, 46.3556,
93.3049

■ 35.3459, 42.3316,
92.6954

■ 32.9040, 38.8050,
92.1434

■ 31.0498, 35.7010,
91.6420

Harmonies

Analogous

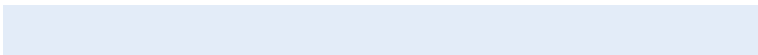
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1561, 83.2712, 94.3851



77.1802, 83.2712, 98.3913



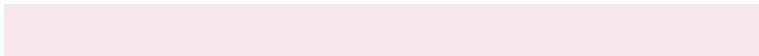
78.7418, 83.2712, 100.3398

Triad

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



77.1802, 83.2712, 98.3913



82.4555, 83.2712, 91.8349



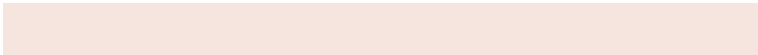
77.8732, 83.2712, 82.2666

Complementary

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



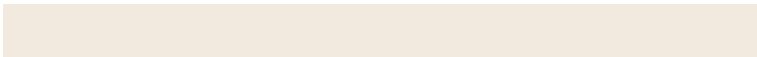
77.1802, 83.2712, 98.3913



78.8608, 80.7247, 80.5339

Split Complementary

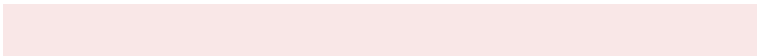
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5531, 83.2712, 81.6389



77.1802, 83.2712, 98.3913



82.2148, 83.2712, 87.0501

Square

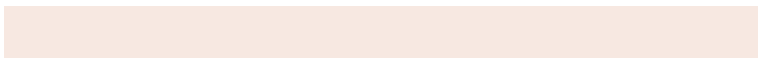
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



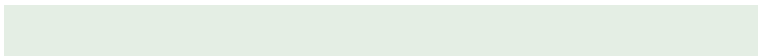
77.1802, 83.2712, 98.3913



81.7994, 83.2712, 96.4670



81.1465, 83.2712, 83.3602



76.5521, 83.2712, 85.1065

Rectangle

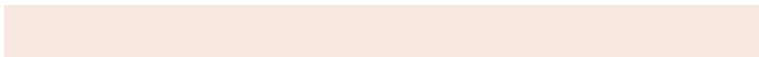
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1802, 83.2712, 98.3913



79.8841, 83.2712, 100.1619



81.1465, 83.2712, 83.3602



78.4140, 83.2712, 81.7942

Sweetspot

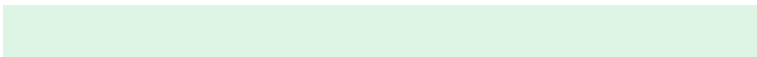
The Sweet Spot groups the original color and five complimentary colors.



77.1826, 83.2747, 98.3931



91.5534, 97.1020, 108.5249



76.9070, 86.4874, 86.6974



19.4005, 20.6208, 23.2076



0.0000, 0.0000, 0.0000



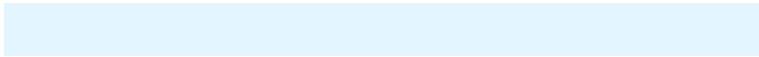
20.3446, 21.4041, 23.3091

Same Dimension

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



77.1826, 83.2747, 98.3931



82.8108, 89.7388, 107.5645



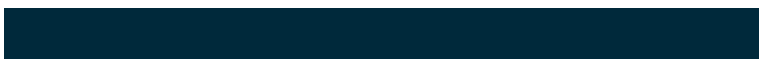
73.9670, 76.8434, 97.3213



16.5464, 17.8571, 21.1172



16.7982, 19.3902, 49.3953



1.5667, 1.8848, 4.3715

Inverse Universe

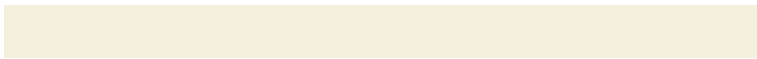
The Inverse Universe completely reimagines the original color for something new.



79.2120, 77.8299, 91.7406



85.4018, 82.8534, 99.0563



82.1204, 87.2438, 81.6204



16.9864, 16.6774, 19.6749



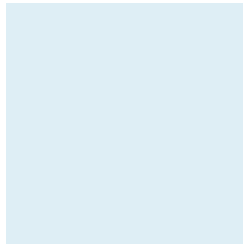
24.2835, 12.0568, 21.9989



2.1799, 1.0779, 2.1735

Previews

White Background



This preview shows how the XYZ color 77.1802, 83.2712, 98.3913 looks on a white background.

Color Contrast Check

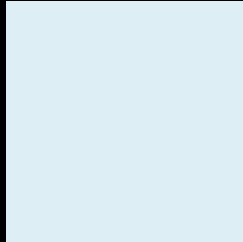
Large Text (above 18pt) WCAG AA × Fail

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 77.1802, 83.2712, 98.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

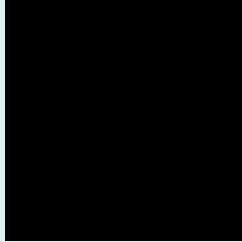
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

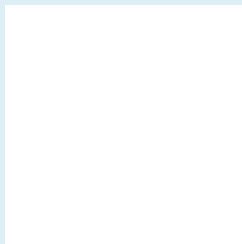
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1802, 83.2712, 98.3913

Background



This preview shows how black text looks on a background with the XYZ color 77.1802, 83.2712, 98.3913.



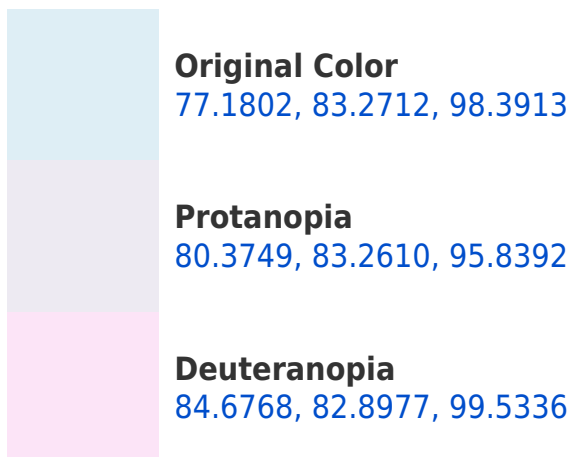
This preview shows how white text looks on a background with the XYZ color 77.1802, 83.2712,

98.3913.

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

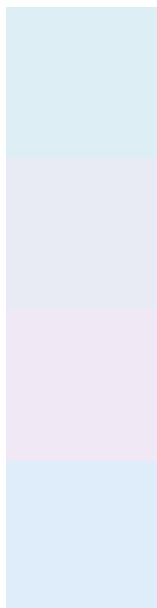




Tritanopia

78.7859, 83.0582, 106.4871

Trichromacy



Original Color

77.1802, 83.2712, 98.3913

Protanomaly

79.1647, 83.0435, 96.6506

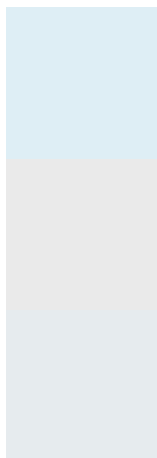
Deuteranomaly

81.7668, 83.0678, 98.9129

Tritanomaly

78.1282, 83.2214, 103.2123

Monochromacy



Original Color

77.1802, 83.2712, 98.3913

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7741, 82.4127, 92.6970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1802, 83.2712, 98.3913 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(222, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(222, 238, 245)  
}
```

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(222, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 238, 245) }
```

Border

The CSS property to change the border of an element to XYZ 77.1802, 83.2712, 98.3913 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(222, 238, 245) }
```


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

```
.border{ border-color:rgb(222, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 238, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 238, 245); box-shadow:4px 4px 4px 4px rgb(222, 238, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1802, 83.2712, 98.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 238, 245) }
```

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

```
.background{ background-color: rgb(222,  
238, 245) }
```

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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