

Converting Colors

XYZ(57.8268, 74.0809, 77.6150)

Have a look what the booklet for
XYZ(57.8268, 74.0809, 77.6150)
contains.

XYZ(57.8195, 74.1659, 77.5977)	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(57.8195, 74.1659,
77.5977)**

Conversions

Conversions Part 1

Format	Color
Hex	9FEFDA
RGB	159, 239, 218
RGB Percent	62%, 94%, 85%
CMY	0.3765, 0.0627, 0.1451
CMYK	0.33, 0.00, 0.09, 0.06
HSL	164°, 71%, 78%
HSV	164°, 33%, 94%
XYZ	57.8195, 74.1659, 77.5977
YIQ	212.6860, -40.9390, -23.4910

Conversions

Conversions Part 2

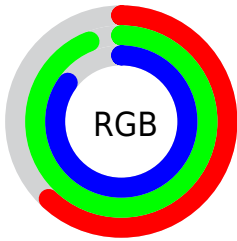
Format	Color
RYB	159, 205, 239
Decimal	10481626
CIELab	89.00, -28.93, 2.39
CIELCh	89, 29.030, 175.277
Yxy	74.1659, 0.2759, 0.3539
Android (android.graphics.Color)	4288671706 (0xFF9FEFDA)
YUV	212.6860, 2.6198, -47.0826
Hunter-Lab	86.1196, -30.8670, 6.8608

Details

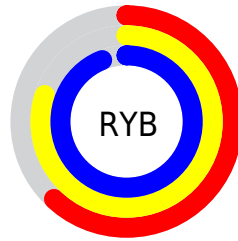
The XYZ color **57.8195, 74.1659, 77.5977** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.2356, 46.4443, 49.1838**, and the grayscale version is **63.0405, 66.3235, 72.2263**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **29.2533, 39.4544, 40.7240** is the 20% darker color. If you saturate the color by 10%, you get **52.7253, 71.6347, 73.1551**, and if you desaturate by 10%, it is **63.8653, 77.1879, 82.2503**.

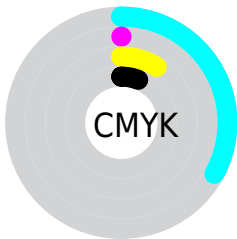
Distribution



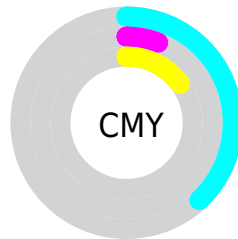
- Red (62%)
- Green (94%)
- Blue (85%)



- Red (62%)
- Yellow (80%)
- Blue (94%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)





- Cyan (38%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8195, 74.1659, 77.5977 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 57.8195, 74.1659, 77.5977 by changing the saturation by 10% instead.

 57.8195, 74.1659,
77.5977


 57.8195, 74.1659,
77.5977


406.4777,
475.0457, 506.2912

 41.9063, 54.9298,
57.2291


 100.7844,
125.1310, 131.7636

 29.2187, 39.3455,
40.7786


 128.5668,
157.6287, 166.3979

 19.3914, 27.0286,
27.8277


161.0363,
195.3159, 206.6245

 12.0591, 17.5947,
17.9579

198.5583,
238.5768, 252.8620

 6.8564, 10.6594,
10.7507

241.4981,
287.7958, 305.5288

 3.4180, 5.8383,
5.7874

290.2210,

 1.3785, 2.7470,


343.3574, 365.0436


2.6495


345.0924,
405.6459, 431.8249


 0.2408, 1.0011,
0.9179


 0.0000, 0.0000,
0.0000


 57.8195, 74.1659,
77.5977


 57.8195, 74.1659,
77.5977


 52.7253, 71.6347,
73.1551


 63.8653, 77.1879,
82.2503


 48.5230, 69.5579,
68.9131

 70.9056, 80.7170,
87.1120

 45.1560, 67.9082,
64.8689

 78.9880, 84.7796,
92.1881

 42.5583, 66.6516,
61.0177

 88.1553, 89.3979,
97.4824

■ 40.6536, 65.7488,
57.3538

■ 89.2652, 89.8586,
102.5688

■ 39.3491, 65.1520,
53.8712

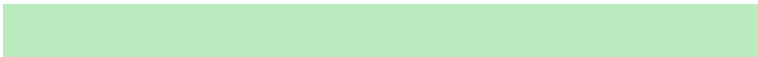
■ 90.1578, 90.2156,
107.2693

■ 38.7299, 64.8805,
51.6906

Harmonies

Analogous

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



59.9207, 74.1659, 60.5855



57.8195, 74.1659, 77.5977



58.9242, 74.1659, 98.5043

Triad

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



57.8195, 74.1659, 77.5977



76.4448, 74.1659, 121.2229



78.5047, 74.1659, 52.8472

Complementary

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



57.8195, 74.1659, 77.5977



56.2356, 46.4443, 49.1838

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.



83.4836, 74.1659, 65.2756



57.8195, 74.1659, 77.5977



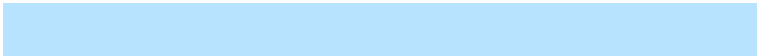
82.2398, 74.1659, 104.9650

Square

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



57.8195, 74.1659, 77.5977



69.3816, 74.1659, 125.9877



84.8938, 74.1659, 83.9949



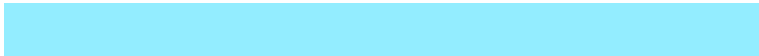
71.6152, 74.1659, 47.8952

Rectangle

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



57.8195, 74.1659, 77.5977



61.3716, 74.1659, 111.6213



84.8938, 74.1659, 83.9949



80.4750, 74.1659, 56.1768

Sweetspot

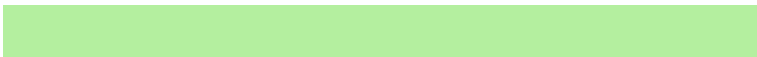
The Sweet Spot groups the original color and five complimentary colors.



57.8216, 74.1689, 77.5994



85.2236, 95.0567, 102.9117



56.0270, 73.9827, 44.1294



17.9672, 20.2083, 21.8515



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.



57.8216, 74.1689, 77.5994



62.9313, 83.9061, 86.4392



55.5612, 64.9672, 91.2764



16.0599, 17.8540, 19.3381



21.4589, 35.8756, 28.8632



1.8258, 3.0008, 2.6150

Inverse Universe

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



56.2356, 46.4443, 49.1838



60.8468, 47.3287, 48.9899



57.7112, 52.5644, 39.9065



15.9431, 15.8270, 17.2568



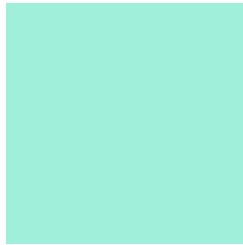
20.2091, 10.3561, 3.7518



1.7208, 0.8774, 0.5205

Previews

White Background



This preview shows how the XYZ color 57.8195, 74.1659, 77.5977 looks on a white background.

Color Contrast Check

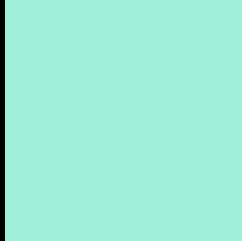
Large Text (above 18pt) WCAG AA × Fail

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 57.8195, 74.1659, 77.5977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

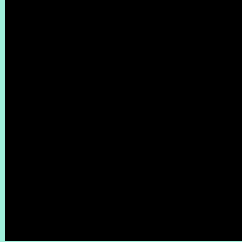
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

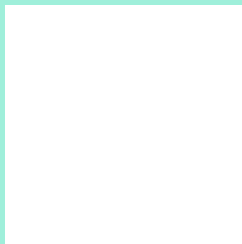
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8195, 74.1659, 77.5977

Background



This preview shows how black text looks on a background with the XYZ color 57.8195, 74.1659, 77.5977.

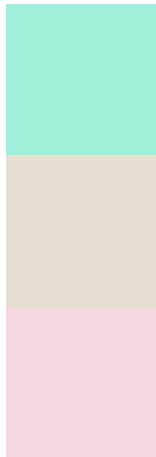


This preview shows how white text looks on a background with the XYZ color 57.8195, 74.1659,

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

57.8195, 74.1659, 77.5977

Protanopia

70.1396, 73.6196, 70.1878

Deuteranopia

74.9279, 73.1617, 79.9845



Tritanopia

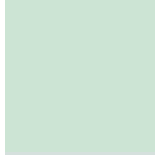
63.0888, 74.1530, 103.9163

Trichromacy



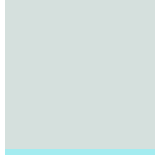
Original Color

57.8195, 74.1659, 77.5977



Protanomaly

64.5289, 73.0776, 72.9917



Deuteranomaly

67.1474, 72.6779, 78.8958



Tritanomaly

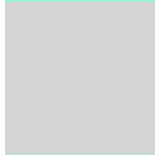
61.0335, 74.1747, 93.5384

Monochromacy



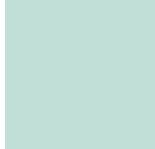
Original Color

57.8195, 74.1659, 77.5977



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.3793, 68.4863, 74.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8195, 74.1659, 77.5977 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(159, 239, 218)` looks like.

```
.text, #text, p{  
    color:rgb(159, 239, 218)  
}
```

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(159, 239, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 239, 218) }
```

Border

The CSS property to change the border of an element to XYZ 57.8195, 74.1659, 77.5977 is called "border". The border property can be set on classes, ids or directly on the HTML element.

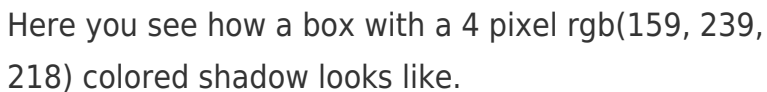
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 239, 218) }
```


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

```
.border{ border-color:rgb(159, 239, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 239, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 239, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 239, 218); box-shadow:4px 4px 4px 4px rgb(159, 239, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8195, 74.1659, 77.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 239, 218) }
```

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

```
.background{ background-color: rgb(159,  
239, 218) }
```

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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