

Converting Colors

XYZ(59.6440, 74.6919, 76.7487)

Have a look what the booklet for
XYZ(59.6440, 74.6919, 76.7487)
contains.

XYZ(59.6765, 74.7049, 76.9198)	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(59.6765, 74.7049,
76.9198)**

Conversions

Conversions Part 1

Format	Color
Hex	AAEED9
RGB	170, 238, 217
RGB Percent	67%, 93%, 85%
CMY	0.3333, 0.0666, 0.1490
CMYK	0.29, 0.00, 0.09, 0.07
HSL	161°, 67%, 80%
HSV	161°, 29%, 93%
XYZ	59.6765, 74.7049, 76.9198
YIQ	215.2740, -33.7870, -20.9470

Conversions

Conversions Part 2

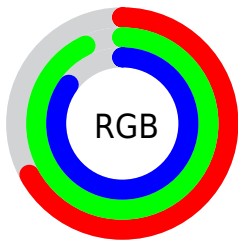
Format	Color
RYB	170, 210, 238
Decimal	11202265
CIELab	89.25, -25.54, 3.35
CIELCh	89, 25.756, 172.528
Yxy	74.7049, 0.2824, 0.3535
Android (android.graphics.Color)	4289392345 (0xFFAAEED9)
YUV	215.2740, 0.8509, -39.7053
Hunter-Lab	86.4320, -28.0116, 7.7375

Details

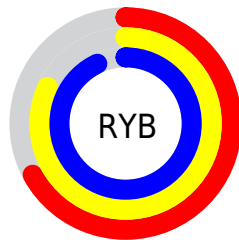
The XYZ color **59.6765, 74.7049, 76.9198** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0412, 50.6902, 55.9657**, and the grayscale version is **64.7895, 68.1636, 74.2301**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **30.4520, 39.7775, 40.2553** is the 20% darker color. If you saturate the color by 10%, you get **54.0553, 71.9171, 71.7773**, and if you desaturate by 10%, it is **66.2759, 77.9960, 82.3337**.

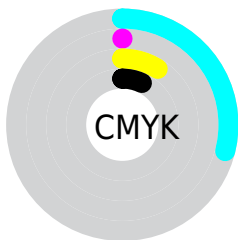
Distribution



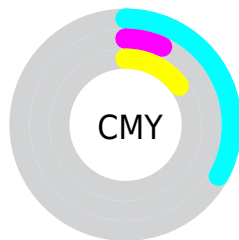
- Red (67%)
- Green (93%)
- Blue (85%)



- Red (67%)
- Yellow (82%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)





- Cyan (33%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6765, 74.7049, 76.9198 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 59.6765, 74.7049, 76.9198 by changing the saturation by 10% instead.

 59.6765, 74.7049,
76.9198

 59.6765, 74.7049,
76.9198


413.2582,
476.9027, 503.9209

 43.4064, 55.3712,
56.6759


 103.4693,
125.8945, 130.7982

 30.4000, 39.6990,
40.3375


131.7226,
158.5193, 165.2698

 20.2920, 27.3039,
27.4860


164.7012,
196.3431, 205.3211

 12.7170, 17.8016,
17.7029

202.7702,
239.7504, 251.3705

 7.3096, 10.8076,
10.5696

246.2950,
289.1256, 303.8367

 3.7045, 5.9376,
5.6677


295.6411,


 1.5364, 2.8072,


344.8531, 363.1381


2.5786


351.1737,
407.3174, 429.6934


 0.3504, 1.0319,
0.8814


 0.0000, 0.0000,
0.0000

 59.6765, 74.7049,
76.9198


 59.6765, 74.7049,
76.9198

 54.0553, 71.9171,
71.7773


 66.2759, 77.9960,
82.3337

 49.3551, 69.5972,
66.8957


 73.8943, 81.8055,
88.0188


 45.5226, 67.7198,
62.2714


 82.5776, 86.1589,
93.9816


 42.4958, 66.2531,
57.8984

 88.5128, 89.0905,
100.0465


 40.2046, 65.1610,
53.7704

 89.6663, 89.5520,
106.1209

 38.5660, 64.4006,
49.8804

 89.8659, 89.6318,
107.1720

 37.4597, 63.9102,
46.2196

 37.3216, 63.8501,
45.7142

Harmonies

Analogous

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



61.8329, 74.7049, 62.0375



59.6765, 74.7049, 76.9198



60.4099, 74.7049, 95.3453

Triad

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



59.6765, 74.7049, 76.9198



75.7397, 74.7049, 117.7095



78.6190, 74.7049, 56.8335

Complementary

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



59.6765, 74.7049, 76.9198



59.0412, 50.6902, 55.9657

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.



82.7712, 74.7049, 68.7798



59.6765, 74.7049, 76.9198



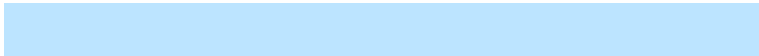
81.0415, 74.7049, 104.2830

Square

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



59.6765, 74.7049, 76.9198



69.4438, 74.7049, 120.7401



83.6829, 74.7049, 85.9283



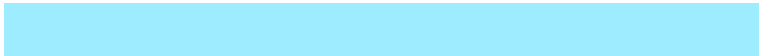
72.5890, 74.7049, 51.6067

Rectangle

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



59.6765, 74.7049, 76.9198



62.4604, 74.7049, 107.0698



83.6829, 74.7049, 85.9283



80.2949, 74.7049, 60.1041

Sweetspot

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



59.6786, 74.7080, 76.9215



85.9845, 95.4560, 102.6281



59.4529, 75.2002, 49.4130



18.1111, 20.2848, 21.7550



0.0000, 0.0000, 0.0000



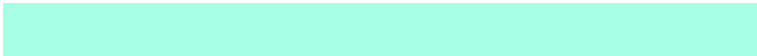
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6786, 74.7080, 76.9215



66.0068, 85.4916, 86.5831



59.0822, 68.8612, 91.0701



16.0274, 17.8410, 19.1672



20.8814, 35.6446, 25.8219



1.7815, 2.9830, 2.3817

Inverse Universe

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



59.0412, 50.6902, 55.9657



65.1572, 53.3198, 58.5336



59.3417, 54.7289, 45.4675



15.9738, 15.8392, 17.4184



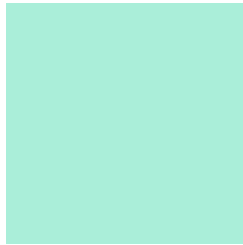
20.4027, 10.4335, 4.7711



1.7402, 0.8851, 0.6230

Previews

White Background



This preview shows how the XYZ color 59.6765, 74.7049, 76.9198 looks on a white background.

Color Contrast Check

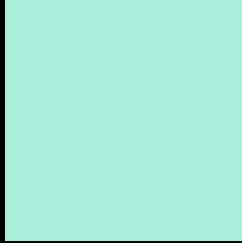
Large Text (above 18pt) WCAG AA × Fail

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 59.6765, 74.7049, 76.9198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

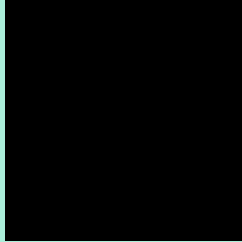
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

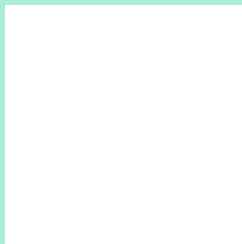
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6765, 74.7049, 76.9198

Background



This preview shows how black text looks on a background with the XYZ color 59.6765, 74.7049, 76.9198.

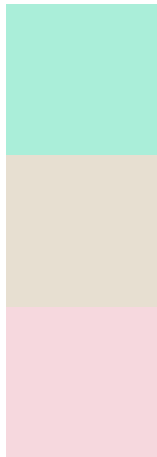


This preview shows how white text looks on a background with the XYZ color 59.6765, 74.7049,

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

59.6765, 74.7049, 76.9198

Protanopia

70.8513, 74.3677, 70.9417

Deuteranopia

75.7467, 73.9785, 79.3942



Tritanopia

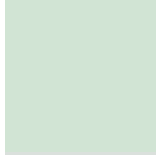
64.8411, 74.6532, 103.0875

Trichromacy



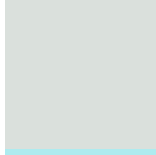
Original Color

59.6765, 74.7049, 76.9198



Protanomaly

65.9216, 73.7956, 73.0569



Deuteranomaly

68.4874, 73.3840, 78.2650



Tritanomaly

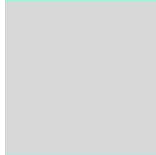
62.7439, 74.6473, 92.7628

Monochromacy



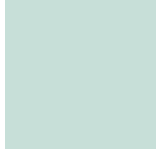
Original Color

59.6765, 74.7049, 76.9198



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

62.3355, 69.8753, 75.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6765, 74.7049, 76.9198 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(170, 238, 217)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 217)  
}
```

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(170, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 217) }
```

Border

The CSS property to change the border of an element to XYZ 59.6765, 74.7049, 76.9198 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(170, 238, 217) }
```


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

```
.border{ border-color:rgb(170, 238, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 238, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 217);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6765, 74.7049, 76.9198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 217) }
```

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

```
.background{ background-color: rgb(170,  
238, 217) }
```

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