

Converting Colors

XYZ(48.2459, 69.3700, 64.8239)

Have a look what the booklet for
XYZ(48.2459, 69.3700, 64.8239)
contains.

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Color

**XYZ(48.3778, 69.5695,
64.9113)**

Conversions

Conversions Part 1

Format	Color
Hex	74EFC7
RGB	116, 239, 199
RGB Percent	45%, 94%, 78%
CMY	0.5451, 0.0627, 0.2196
CMYK	0.51, 0.00, 0.17, 0.06
HSL	160°, 79%, 70%
HSV	160°, 51%, 94%
XYZ	48.3778, 69.5695, 64.9113
YIQ	197.6630, -60.4680, -38.5160

Conversions

Conversions Part 2

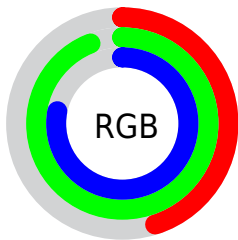
Format	Color
RYB	116, 189, 239
Decimal	7663559
CIELab	86.79, -43.83, 8.89
CIELCh	87, 44.719, 168.533
Yxy	69.5695, 0.2646, 0.3805
Android (android.graphics.Color)	4285853639 (0xFF74EFC7)
YUV	197.6630, 0.6591, -71.6185
Hunter-Lab	83.4083, -42.4325, 12.2443

Details

The XYZ color **48.3778, 69.5695, 64.9113** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.8451, 33.2437, 35.3503**, and the grayscale version is **53.4961, 56.2820, 61.2911**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **23.2550, 36.2303, 32.5555** is the 20% darker color. If you saturate the color by 10%, you get **44.7209, 67.7877, 60.1497**, and if you desaturate by 10%, it is **52.9018, 71.7965, 69.9571**.

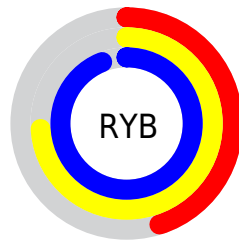
Distribution



Red (45%)

Green (94%)

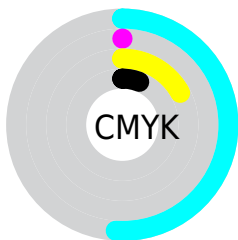
Blue (78%)



Red (45%)

Yellow (74%)

Blue (94%)

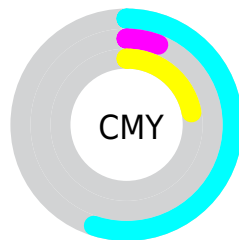


Cyan (51%)

Magenta (0%)

Yellow (17%)

Black (6%)



Cyan (55%)


Magenta (6%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3778, 69.5695, 64.9113 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 48.3778, 69.5695, 64.9113 by changing the saturation by 10% instead.


 48.3778, 69.5695,
64.9113


 48.3778, 69.5695,
64.9113

370.8454,
459.0370, 460.7706


 34.3387, 51.1757,
46.9383


 86.9729, 118.5946,
113.5344

 23.3180, 36.3484,
32.6329


 112.2597,
149.9947, 145.0215

 14.9505, 24.7034,
21.5765


 142.0263,
186.4990, 181.8504

 8.8707, 15.8562,
13.3507

176.6382,
228.4918, 224.4397

 4.7134, 9.4225,
7.5370

216.4607,
276.3576, 273.2078

 2.1131, 5.0178,
3.7166

261.8591,

 0.6963, 2.2577,

330.4809, 328.5733

1.4712

313.1989,
391.2458, 390.9547

■ 0.0000, 0.7512,
0.1963

■ 0.0000, 0.0000,
0.0000

■ 48.3778, 69.5695,
64.9113

■ 48.3778, 69.5695,
64.9113

■ 44.7209, 67.7877,
60.1497

■ 52.9018, 71.7965,
69.9571

■ 41.8606, 66.4096,
55.6611


■ 58.3450, 74.4902,
75.2887


■ 39.7246, 65.3996,
51.4398


■ 64.7621, 77.6805,
80.9133


■ 38.2240, 64.7122,
47.4781


■ 72.2016, 81.3923,
86.8367

 37.3250, 64.3183,
44.2929

 80.7090, 85.6490,
93.0642

 88.6869, 89.6271,
99.5243

 89.9031, 90.1135,
105.9285

 90.1577, 90.2154,
107.2692

Harmonies

Analogous

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



52.2262, 69.5695, 43.7685



48.3778, 69.5695, 64.9113



48.8982, 69.5695, 95.4767

Triad

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



48.3778, 69.5695, 64.9113



72.6942, 69.5695, 144.1649



80.2886, 69.5695, 40.3927

Complementary

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



48.3778, 69.5695, 64.9113



47.8451, 33.2437, 35.3503

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.



86.9829, 69.5695, 58.9457



48.3778, 69.5695, 64.9113



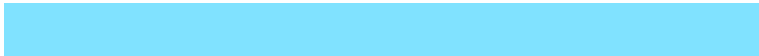
82.2908, 69.5695, 120.4204

Square

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



48.3778, 69.5695, 64.9113



62.2224, 69.5695, 146.9921



87.7519, 69.5695, 87.7313



70.1848, 69.5695, 32.3029

Rectangle

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



48.3778, 69.5695, 64.9113



51.6650, 69.5695, 117.3820



87.7519, 69.5695, 87.7313



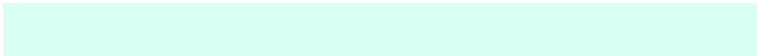
83.0558, 69.5695, 45.3478

Sweetspot

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



48.3797, 69.5723, 64.9129



80.4123, 92.6780, 98.0967



47.9258, 70.1649, 27.5415



16.8194, 19.6412, 20.6855



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.



48.3797, 69.5723, 64.9129



51.5282, 78.3955, 69.2806



47.9859, 60.3502, 90.7841



16.0160, 17.8364, 19.1071



20.6886, 35.5675, 24.8069



1.7665, 2.9771, 2.3030

Inverse Universe

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



47.8451, 33.2437, 35.3503



50.8759, 31.9391, 31.6323



47.6259, 37.3631, 21.2259



15.9847, 15.8436, 17.4757



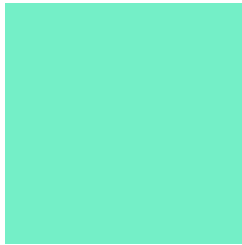
20.4794, 10.4642, 5.1754



1.7477, 0.8881, 0.6621

Previews

White Background



This preview shows how the XYZ color 48.3778, 69.5695, 64.9113 looks on a white background.

Color Contrast Check

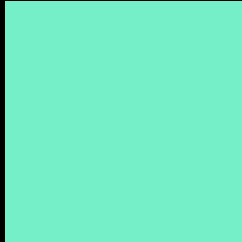
Large Text (above 18pt) WCAG AA × Fail

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 48.3778, 69.5695, 64.9113 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 48.3778, 69.5695, 64.9113

Background



This preview shows how black text looks on a background with the XYZ color 48.3778, 69.5695, 64.9113.

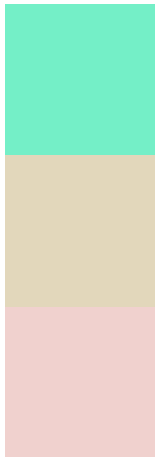


This preview shows how white text looks on a background with the XYZ color 48.3778, 69.5695,

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

48.3778, 69.5695, 64.9113

Protanopia

64.6341, 68.3575, 56.8014

Deuteranopia

69.8762, 68.5824, 67.9474



Tritanopia

55.7849, 69.5838, 101.7576

Trichromacy



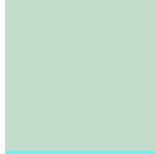
Original Color

48.3778, 69.5695, 64.9113



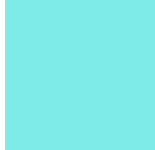
Protanomaly

56.3093, 67.5120, 59.3535



Deuteranomaly

58.8784, 67.1003, 66.3483



Tritanomaly

52.8780, 69.6785, 87.0063

Monochromacy



Original Color

48.3778, 69.5695, 64.9113



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.1357, 59.9905, 62.3630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3778, 69.5695, 64.9113 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(116, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(116, 239, 199)  
}
```

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(116, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 239, 199) }
```

Border

The CSS property to change the border of an element to XYZ 48.3778, 69.5695, 64.9113 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(116, 239, 199) }
```


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

```
.border{ border-color:rgb(116, 239, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(116, 239,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3778, 69.5695, 64.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 239, 199) }
```

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

```
.background{ background-color: rgb(116,  
239, 199) }
```

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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