

Converting Colors

XYZ(49.3315, 74.9587, 65.3293)

Have a look what the booklet for
XYZ(49.3315, 74.9587, 65.3293)
contains.

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Color

**XYZ(49.3084, 74.9898,
65.3017)**

Conversions

Conversions Part 1

Format	Color
Hex	61FAC6
RGB	97, 250, 198
RGB Percent	38%, 98%, 78%
CMY	0.6196, 0.0196, 0.2235
CMYK	0.61, 0.00, 0.21, 0.02
HSL	160°, 94%, 68%
HSV	160°, 61%, 98%
XYZ	49.3084, 74.9898, 65.3017
YIQ	198.3250, -74.4960, -48.6080

Conversions

Conversions Part 2

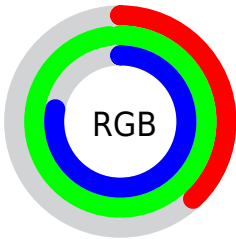
Format	Color
RYB	97, 189, 250
Decimal	6421190
CIELab	89.39, -52.50, 13.04
CIELCh	89, 54.097, 166.050
Yxy	74.9898, 0.2601, 0.3955
Android (android.graphics.Color)	4284611270 (0xFF61FAC6)
YUV	198.3250, -0.1602, -88.8620
Hunter-Lab	86.5967, -49.9057, 15.9076

Details

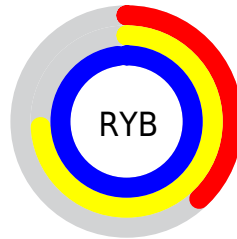
The XYZ color **49.3084, 74.9898, 65.3017** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **49.1263, 31.0452, 31.8397**, and the grayscale version is **53.9095, 56.7170, 61.7648**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **24.1040, 40.1535, 32.8656** is the 20% darker color. If you saturate the color by 10%, you get **46.0999, 73.4478, 60.1790**, and if you desaturate by 10%, it is **53.4150, 76.9923, 70.7568**.

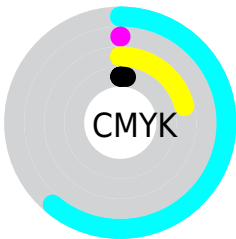
Distribution



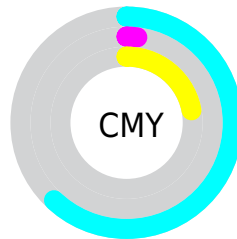
- Red (38%)
- Green (98%)
- Blue (78%)



- Red (38%)
- Yellow (74%)
- Blue (98%)



- Cyan (61%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (62%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3084, 74.9898, 65.3017 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 49.3084, 74.9898, 65.3017 by changing the saturation by 10% instead.


 49.3084, 74.9898,
65.3017

 49.3084, 74.9898,
65.3017

374.4520,
477.8825, 462.2112


 35.0797, 55.6045,
47.2529


 88.3473, 126.2979,
114.1009

 23.8911, 39.8859,
32.8798


 113.8882,
158.9896, 145.6884

 15.3772, 27.4496,
21.7640


 143.9306,
196.8855, 182.6258

 9.1725, 17.9112,
13.4870

 178.8398,
240.3700, 225.3317

 4.9119, 10.8862,
7.6301

218.9812,
289.8276, 274.2247

 2.2299, 5.9904,
3.7748

264.7202,

 0.7584, 2.8392,

345.6426, 329.7232

1.5026

316.4220,
408.1994, 392.2459

■ 0.0000, 1.0484,
0.2199

■ 0.0000, 0.0000,
0.0000

■ 49.3084, 74.9898,
65.3017

■ 49.3084, 74.9898,
65.3017

■ 46.0999, 73.4478,
60.1790

■ 53.4150, 76.9923,
70.7568

■ 43.7006, 72.3148,
55.3750


■ 58.4858, 79.4835,
76.5470


■ 42.0134, 71.5426,
50.8819


■ 64.5874, 82.4995,
82.6815

■ 40.9813, 71.0916,
47.1745

■ 71.7788, 86.0707,
89.1674

 80.1140, 90.2248,
96.0116

 89.6439, 94.9879,
103.2205

 93.4769, 96.8538,
108.3756

Harmonies

Analogous

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



54.4694, 74.9898, 40.7748



49.3084, 74.9898, 65.3017



49.4976, 74.9898, 103.5194

Triad

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



49.3084, 74.9898, 65.3017



78.5502, 74.9898, 173.7019



90.4496, 74.9898, 39.5967

Complementary

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



49.3084, 74.9898, 65.3017



49.1263, 31.0452, 31.8397

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.



98.6550, 74.9898, 63.1023



49.3084, 74.9898, 65.3017



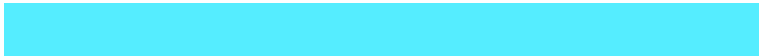
91.2253, 74.9898, 143.4442

Square

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



49.3084, 74.9898, 65.3017



65.3113, 74.9898, 174.8488



98.9553, 74.9898, 100.5243



77.5923, 74.9898, 29.3547

Rectangle

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



49.3084, 74.9898, 65.3017



52.6062, 74.9898, 132.5275



98.9553, 74.9898, 100.5243



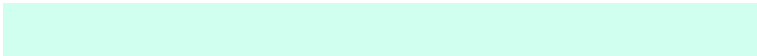
93.9096, 74.9898, 45.8138

Sweetspot

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



49.3105, 74.9928, 65.3034



77.7219, 91.3455, 95.5061



49.0248, 75.7737, 23.3523



16.1170, 19.2935, 20.0036



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.



49.3105, 74.9928, 65.3034



47.6882, 76.5736, 61.9795



49.6702, 64.4119, 100.2608



17.5004, 19.5024, 20.8358



21.8070, 37.7358, 25.3907



2.0693, 3.5148, 2.6126

Inverse Universe

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



49.1263, 31.0452, 31.8397



47.5319, 27.1670, 24.6112



48.2947, 34.6099, 15.4454



17.4880, 17.3226, 19.1597



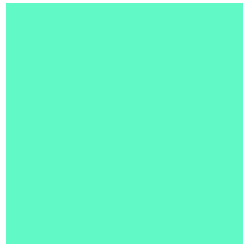
21.8412, 11.1522, 5.8723



2.0703, 1.0519, 0.7937

Previews

White Background



This preview shows how the XYZ color 49.3084, 74.9898, 65.3017 looks on a white background.

Color Contrast Check

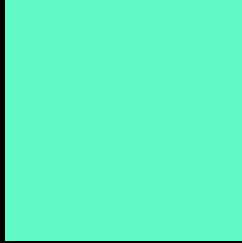
Large Text (above 18pt) WCAG AA × Fail

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 49.3084, 74.9898, 65.3017 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 49.3084, 74.9898, 65.3017

Background



This preview shows how black text looks on a background with the XYZ color 49.3084, 74.9898, 65.3017.

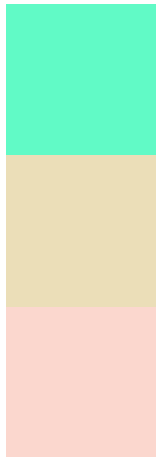


This preview shows how white text looks on a background with the XYZ color 49.3084, 74.9898, 65.3017.

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

49.3084, 74.9898, 65.3017

Protanopia

69.0340, 73.3654, 55.8699

Deuteranopia

75.2247, 73.5663, 68.6275



Tritanopia

60.1261, 74.2984, 105.7798

Trichromacy



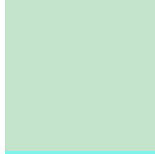
Original Color

49.3084, 74.9898, 65.3017



Protanomaly

58.0495, 71.7016, 58.9244



Deuteranomaly

61.0286, 71.4007, 67.0651



Tritanomaly

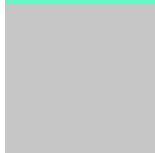
55.3558, 73.9568, 89.1994

Monochromacy



Original Color

49.3084, 74.9898, 65.3017



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.7038, 61.2800, 62.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3084, 74.9898, 65.3017 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(97, 250, 198)` looks like.

```
.text, #text, p{  
    color:rgb(97, 250, 198)  
}
```

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(97, 250, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 250, 198) }
```

Border

The CSS property to change the border of an element to XYZ 49.3084, 74.9898, 65.3017 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(97, 250, 198) }
```


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

```
.border{ border-color:rgb(97, 250, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 250, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 250, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 250, 198);  
box-shadow:4px 4px 4px 4px rgb(97, 250,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3084, 74.9898, 65.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 250, 198) }
```

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

```
.background{ background-color: rgb(97, 250,  
198) }
```

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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