

Converting Colors

XYZ(49.2631, 74.9633, 88.4211)

Have a look what the booklet for
XYZ(49.2631, 74.9633, 88.4211)
contains.

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Color

**XYZ(49.2007, 74.8917,
88.2063)**

Conversions

Conversions Part 1

Format	Color
Hex	0BFBE8
RGB	11, 251, 232
RGB Percent	4%, 98%, 91%
CMY	0.9566, 0.0157, 0.0902
CMYK	0.96, 0.00, 0.08, 0.02
HSL	175°, 97%, 51%
HSV	175°, 96%, 98%
XYZ	49.2007, 74.8917, 88.2063
YIQ	177.0740, -136.9410, -56.7890

Conversions

Conversions Part 2

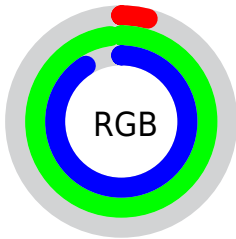
Format	Color
RYB	11, 136, 251
Decimal	785384
CIELab	89.34, -52.60, -4.82
CIELCh	89, 52.817, 185.233
Yxy	74.8917, 0.2318, 0.3528
Android (android.graphics.Color)	4278975464 (0xFF0BFBE8)
YUV	177.0740, 27.0785, -145.6469
Hunter-Lab	86.5400, -49.9621, 0.1464

Details

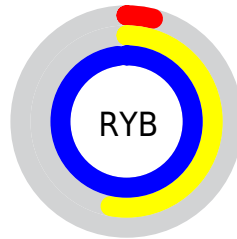
The XYZ color **49.2007, 74.8917, 88.2063** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.1405, 20.8447, 3.1403**, and the grayscale version is **41.7530, 43.9274, 47.8369**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **26.9064, 41.2745, 47.6230** is the 20% darker color. If you saturate the color by 10%, you get **48.9399, 74.7733, 87.5478**, and if you desaturate by 10%, it is **50.0813, 75.3146, 89.7317**.

Distribution



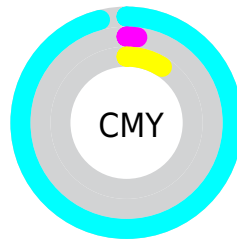
- Red (4%)
- Green (98%)
- Blue (91%)



- Red (4%)
- Yellow (53%)
- Blue (98%)



- Cyan (96%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)



- Cyan (96%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2007, 74.8917, 88.2063 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 49.2007, 74.8917, 88.2063 by changing the saturation by 10% instead.


 49.2007, 74.8917,
88.2063


 49.2007, 74.8917,
88.2063


374.0358,
477.5452, 542.5974


 34.9939, 55.5242,
65.9286


 88.1884, 126.1590,
146.7580


 23.8247, 39.8215,
47.7583


 113.7000,
158.8277, 183.8691

 15.3276, 27.3994,
33.2769


 143.7106,
196.6987, 226.7618

 9.1375, 17.8734,
22.0658

 178.5855,
240.1567, 275.8545

 4.8888, 10.8592,
13.7065

218.6902,
289.5860, 331.5659

 2.2162, 5.9722,
7.7804

264.3898,

 0.7513, 2.8282,

345.3709, 394.3145

3.8690

316.0499,
407.8958, 464.5188

■ 0.0000, 1.0427,
1.5538

■ 0.0000, 0.0000,
0.2575

■ 49.2007, 74.8917,
88.2063

■ 49.2007, 74.8917,
88.2063

■ 48.9399, 74.7733,
87.5478

■ 50.0813, 75.3146,
89.7317

■ 51.5760, 76.0519,
91.3008

■ 53.7970, 77.1633,
92.9207

■ 56.8334, 78.6947,
94.5956

■ 60.7614, 80.6854,
96.3291

■ 65.6485, 83.1701,
98.1244

■ 71.5557, 86.1803,
99.9845

■ 78.5388, 89.7448,
101.9120

■ 86.6497, 93.8904,
103.9093

Harmonies

Analogous

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



50.9257, 74.8917, 55.2252



49.2007, 74.8917, 88.2063



52.7595, 74.8917, 129.8551

Triad

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



49.2007, 74.8917, 88.2063



86.4956, 74.8917, 154.5471



82.1038, 74.8917, 32.5038

Complementary

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



49.2007, 74.8917, 88.2063



40.1405, 20.8447, 3.1403

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.



93.4606, 74.8917, 47.0039



49.2007, 74.8917, 88.2063



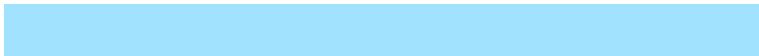
96.2035, 74.8917, 115.1248

Square

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



49.2007, 74.8917, 88.2063



73.4720, 74.8917, 174.8830



98.8946, 74.8917, 75.2265



68.9407, 74.8917, 29.2363

Rectangle

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



49.2007, 74.8917, 88.2063



57.9364, 74.8917, 155.0559



98.8946, 74.8917, 75.2265



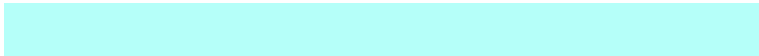
86.3073, 74.8917, 35.9536

Sweetspot

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



49.2029, 74.8945, 88.2081



71.9491, 88.1983, 102.9719



35.1259, 69.3131, 11.8459



14.8463, 18.5959, 21.8644



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.



49.2029, 74.8945, 88.2081



50.7273, 77.5069, 90.7369



28.6230, 29.1789, 95.3933



17.7030, 19.5835, 21.9026



25.7494, 39.3127, 46.1509



2.4019, 3.6479, 4.3644

Inverse Universe

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



40.1405, 20.8447, 3.1403



41.3680, 21.3112, 2.6041



45.5342, 31.9112, 4.0780



17.3004, 17.2475, 18.1716



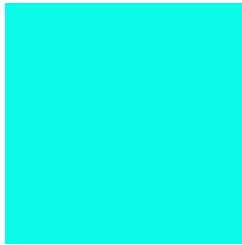
20.9977, 10.8148, 1.4306



1.9634, 1.0091, 0.2305

Previews

White Background



This preview shows how the XYZ color 49.2007, 74.8917, 88.2063 looks on a white background.

Color Contrast Check

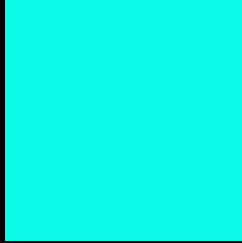
Large Text (above 18pt) WCAG AA × Fail

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 49.2007, 74.8917, 88.2063 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

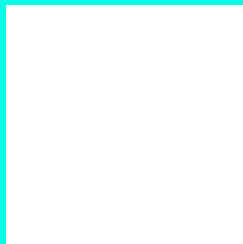
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2007, 74.8917, 88.2063

Background



This preview shows how black text looks on a background with the XYZ color 49.2007, 74.8917, 88.2063.

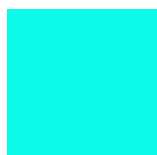


This preview shows how white text looks on a background with the XYZ color 49.2007, 74.8917,

Color Blindness Simulation

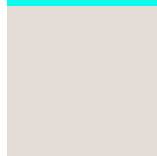
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



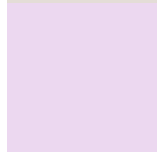
Original Color

49.2007, 74.8917, 88.2063



Protanopia

70.1171, 73.1132, 74.7067



Deuteranopia

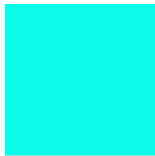
74.8761, 73.2359, 92.6276



Tritanopia

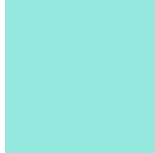
58.7258, 74.4457, 105.8820

Trichromacy



Original Color

49.2007, 74.8917, 88.2063



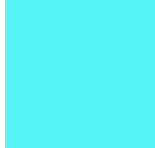
Protanomaly

54.3022, 69.3232, 78.9253



Deuteranomaly

56.6318, 69.0231, 90.4587



Tritanomaly

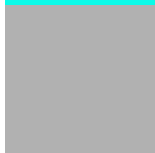
53.1637, 73.4915, 99.3789

Monochromacy



Original Color

49.2007, 74.8917, 88.2063



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.0070, 50.9989, 60.6112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2007, 74.8917, 88.2063 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(11, 251, 232)` looks like.

```
.text, #text, p{  
    color:rgb(11, 251, 232)  
}
```

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(11, 251, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 251, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.2007, 74.8917, 88.2063 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(11, 251, 232) }
```


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

```
.border{ border-color:rgb(11, 251, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 251, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 251, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 251, 232);  
box-shadow:4px 4px 4px 4px rgb(11, 251,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2007, 74.8917, 88.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 251, 232) }
```

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

```
.background{ background-color: rgb(11, 251,  
232) }
```

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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