

Converting Colors

XYZ(48.6807, 71.2352, 96.7707)

Have a look what the booklet for
XYZ(48.6807, 71.2352, 96.7707)
contains.

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Color

**XYZ(48.6798, 71.2330,
96.7716)**

Conversions

Conversions Part 1

Format	Color
Hex	00F4F4
RGB	0, 244, 244
RGB Percent	0%, 96%, 96%
CMY	0.9997, 0.0431, 0.0431
CMYK	1.00, 0.00, 0.00, 0.04
HSL	180°, 100%, 48%
HSV	180°, 100%, 96%
XYZ	48.6798, 71.2330, 96.7716
YIQ	171.0440, -145.4240, -51.7280

Conversions

Conversions Part 2

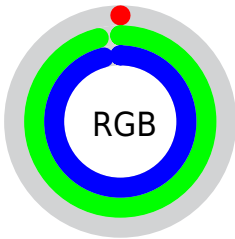
Format	Color
RYB	0, 122, 244
Decimal	62708
CIELab	87.60, -46.50, -13.67
CIELCh	88, 48.469, 196.386
Yxy	71.2330, 0.2247, 0.3287
Android (android.graphics.Color)	4278252788 (0xFF00F4F4)
YUV	171.0440, 35.9673, -150.0056
Hunter-Lab	84.3996, -44.7446, -8.9014

Details

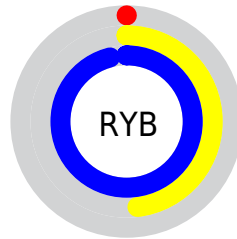
The XYZ color **48.6798, 71.2330, 96.7716** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.3106, 19.2354, 1.7483**, and the grayscale version is **38.6192, 40.6304, 44.2465**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.8474, 39.1715, 53.7228** is the 20% darker color. If you saturate the color by 10%, you get **48.6811, 71.2352, 96.7733**, and if you desaturate by 10%, it is **49.0691, 71.4352, 96.7916**.

Distribution



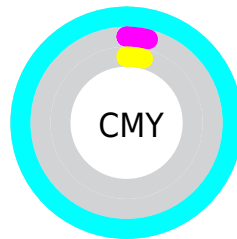
- Red (0%)
- Green (96%)
- Blue (96%)



- Red (0%)
- Yellow (48%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6798, 71.2330, 96.7716 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 48.6798, 71.2330, 96.7716 by changing the saturation by 10% instead.


 48.6798, 71.2330,
96.7716


 48.6798, 71.2330,
96.7716


372.0183,
464.8675, 570.9497


 34.5790, 52.5324,
73.0053


 87.4193, 120.9654,
158.7264


 23.5038, 37.4296,
53.4885

 112.7887,
152.7660, 197.7521


 15.0887, 25.5403,
37.8025


 142.6451,
189.7020, 242.7014

 8.9684, 16.4800,
25.5288

 177.3537,
232.1579, 293.9927

 4.7775, 9.8645,
16.2489

 217.2800,
280.5180, 352.0446

 2.1507, 5.3092,
9.5442

262.7893,

 0.7166, 2.4298,

335.1667, 417.2758

4.9962

314.2469,
396.4884, 490.1046

■ 0.0000, 0.8412,
2.1863

■ 0.0000, 0.0000,
0.6665

■ 48.6798, 71.2330,
96.7716

■ 48.6798, 71.2330,
96.7716

■ 48.6811, 71.2352,
96.7733

■ 49.0691, 71.4352,
96.7916

■ 49.9415, 71.8849,
96.8325

■ 51.4493, 72.6622,
96.9033

■ 53.6826, 73.8136,
97.0079

■ 56.7172, 75.3779,
97.1501

■ 60.6191, 77.3895,
97.3328

■ 65.4477, 79.8787,
97.5589

■ 71.2571, 82.8735,
97.8310

■ 78.0972, 86.3997,
98.1512

Harmonies

Analogous

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



48.4585, 71.2330, 63.6281



48.6798, 71.2330, 96.7716



53.6074, 71.2330, 132.8437

Triad

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



48.6798, 71.2330, 96.7716



84.9540, 71.2330, 129.7750



73.0277, 71.2330, 30.9561

Complementary

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



48.6798, 71.2330, 96.7716



37.3106, 19.2354, 1.7483

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.



84.0795, 71.2330, 40.2398



48.6798, 71.2330, 96.7716



91.4720, 71.2330, 93.3915

Square

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



48.6798, 71.2330, 96.7716



74.1169, 71.2330, 155.2742



91.1350, 71.2330, 61.0769



61.6737, 71.2330, 31.3868

Rectangle

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



48.6798, 71.2330, 96.7716



59.2521, 71.2330, 150.9901



91.1350, 71.2330, 61.0769



76.9255, 71.2330, 32.8998

Sweetspot

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



48.6820, 71.2356, 96.7733



72.2850, 88.2642, 107.8341



32.4038, 64.7303, 10.7883



14.9625, 18.6295, 23.0571



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.



48.6820, 71.2356, 96.7733



53.8097, 78.7399, 106.9684



23.8043, 21.4800, 88.4821



16.9968, 18.7578, 21.2673



26.4693, 38.7325, 52.6183



2.3264, 3.4042, 4.6246

Inverse Universe

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



37.3106, 19.2354, 1.7483



41.2400, 21.2600, 1.9301



43.7847, 32.1837, 3.9063



16.4992, 16.4825, 17.1094



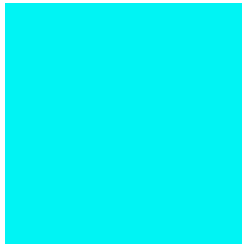
20.2862, 10.4579, 0.9494



1.7830, 0.9191, 0.0835

Previews

White Background



This preview shows how the XYZ color 48.6798, 71.2330, 96.7716 looks on a white background.

Color Contrast Check

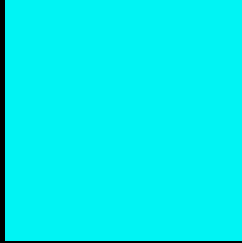
Large Text (above 18pt) WCAG AA × Fail

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 48.6798, 71.2330, 96.7716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

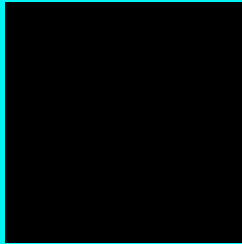
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

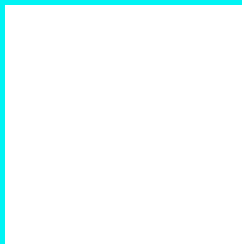
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6798, 71.2330, 96.7716

Background



This preview shows how black text looks on a background with the XYZ color 48.6798, 71.2330, 96.7716.

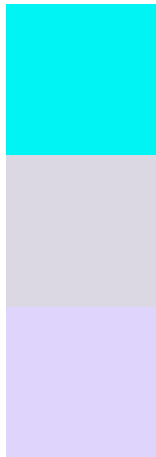


This preview shows how white text looks on a background with the XYZ color 48.6798, 71.2330,

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

48.6798, 71.2330, 96.7716

Protanopia

67.6344, 69.7179, 82.5652

Deuteranopia

71.3875, 69.7400, 100.9654



Tritanopia

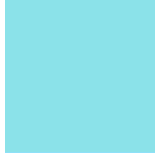
53.7701, 71.0217, 105.4823

Trichromacy



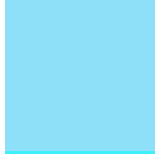
Original Color

48.6798, 71.2330, 96.7716



Protanomaly

52.5518, 65.7649, 87.0149



Deuteranomaly

54.7543, 65.8394, 98.6294



Tritanomaly

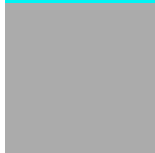
50.6226, 70.3420, 102.1761

Monochromacy



Original Color

48.6798, 71.2330, 96.7716



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.6938, 47.7166, 60.7023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6798, 71.2330, 96.7716 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(0, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 244)  
}
```

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(0, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 244) }
```

Border

The CSS property to change the border of an element to XYZ 48.6798, 71.2330, 96.7716 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(0, 244, 244) }
```


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

```
.border{ border-color:rgb(0, 244, 244) }
```

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

Here you see how a box with a 4 pixel rgb(0, 244, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6798, 71.2330, 96.7716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 244) }
```

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

```
.background{ background-color: rgb(0, 244,  
244) }
```

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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