

Converting Colors

XYZ(48.6691, 70.9720, 96.2656)

Have a look what the booklet for
XYZ(48.6691, 70.9720, 96.2656)
contains.

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Color

**XYZ(48.4777, 70.7008,
95.8856)**

Conversions

Conversions Part 1

Format	Color
Hex	12F3F3
RGB	18, 243, 243
RGB Percent	7%, 95%, 95%
CMY	0.9292, 0.0470, 0.0471
CMYK	0.93, 0.00, 0.00, 0.05
HSL	180°, 90%, 51%
HSV	180°, 93%, 95%
XYZ	48.4777, 70.7008, 95.8856
YIQ	175.7250, -134.1000, -47.7000

Conversions

Conversions Part 2

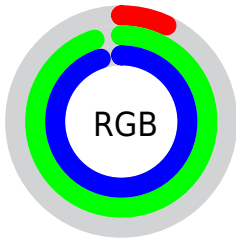
Format	Color
R _Y B	18, 131, 243
Decimal	1242099
CIE Lab	87.34, -45.94, -13.53
CIE LCh	87, 47.891, 196.412
Yxy	70.7008, 0.2254, 0.3287
Android (android.graphics.Color)	4279432179 (0xFF12F3F3)
YUV	175.7250, 33.1666, -138.3248
Hunter-Lab	84.0838, -44.2341, -8.7532

Details

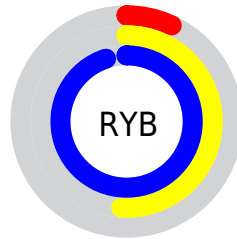
The XYZ color **48.4777, 70.7008, 95.8856** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **37.2900, 19.5333, 2.3792**, and the grayscale version is **41.0146, 43.1506, 46.9910**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **26.5285, 38.7057, 53.0864** is the 20% darker color. If you saturate the color by 10%, you get **48.2295, 70.5744, 95.8755**, and if you desaturate by 10%, it is **49.1986, 71.0740, 95.9211**.

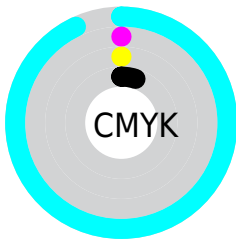
Distribution



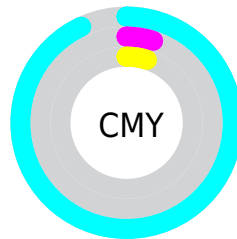
- Red (7%)
- Green (95%)
- Blue (95%)



- Red (7%)
- Yellow (51%)
- Blue (95%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (93%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4777, 70.7008, 95.8856 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 48.4777, 70.7008, 95.8856 by changing the saturation by 10% instead.


 48.4777, 70.7008,
95.8856


 48.4777, 70.7008,
95.8856

371.2337,
463.0068, 568.0529


 34.4182, 52.0981,
72.2713


 87.1206, 120.2076,
157.4936


 23.3794, 37.0832,
52.8922


 112.4347,
151.8805, 196.3244

 14.9962, 25.2720,
37.3296


 142.2311,
188.6788, 241.0645

 8.9030, 16.2798,
25.1650

 176.8750,
230.9871, 292.1324

 4.7346, 9.7224,
15.9799

216.7318,
279.1896, 349.9467

 2.1255, 5.2153,
9.3557

262.1670,

 0.7030, 2.3741,

333.6708, 414.9258

4.8739

313.5458,
394.8151, 487.4883

■ 0.0000, 0.8125,
2.1160

■ 0.0000, 0.0000,
0.6253

■ 48.4777, 70.7008,
95.8856

■ 48.4777, 70.7008,
95.8856

■ 48.2295, 70.5744,
95.8755

■ 49.1986, 71.0740,
95.9211

■ 50.5202, 71.7553,
95.9831

■ 52.5388, 72.7959,
96.0777

■ 55.3325, 74.2361,
96.2086

■ 58.9689, 76.1107,
96.3789

■ 63.5083, 78.4509,
96.5915

■ 69.0055, 81.2848,
96.8489

■ 75.5109, 84.6384,
97.1535

■ 83.0713, 88.5360,
97.5075

Harmonies

Analogous

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



48.2557, 70.7008, 63.2985



48.4777, 70.7008, 95.8856



53.3351, 70.7008, 131.2653

Triad

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



48.4777, 70.7008, 95.8856



84.1529, 70.7008, 128.2025



72.4211, 70.7008, 31.0344

Complementary

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



48.4777, 70.7008, 95.8856



37.2900, 19.5333, 2.3792

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.



83.2786, 70.7008, 40.2044



48.4777, 70.7008, 95.8856



90.5459, 70.7008, 92.5059

Square

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



48.4777, 70.7008, 95.8856



73.5109, 70.7008, 153.2010



90.2091, 70.7008, 60.7406



61.2591, 70.7008, 31.4685

Rectangle

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



48.4777, 70.7008, 95.8856



58.8933, 70.7008, 149.0346



90.2091, 70.7008, 60.7406



76.2511, 70.7008, 32.9551

Sweetspot

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



48.4798, 70.7034, 95.8873



73.4814, 88.8810, 107.8901



32.4876, 64.3153, 11.2761



15.1871, 18.7453, 23.0676



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.



48.4798, 70.7034, 95.8873



53.8097, 78.7399, 106.9683



24.9916, 23.7265, 88.0592



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.



37.2900, 19.5333, 2.3792



41.2400, 21.2600, 1.9301



44.6333, 34.2200, 4.8270



16.4992, 16.4825, 17.1094



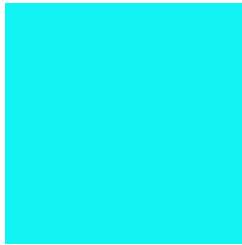
20.2862, 10.4579, 0.9494



1.7830, 0.9191, 0.0835

Previews

White Background



This preview shows how the XYZ color 48.4777, 70.7008, 95.8856 looks on a white background.

Color Contrast Check

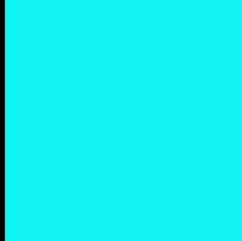
Large Text (above 18pt) WCAG AA × Fail

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 48.4777, 70.7008, 95.8856 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

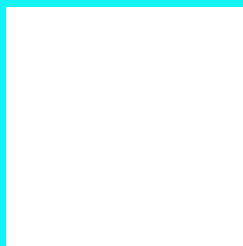
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4777, 70.7008, 95.8856

Background



This preview shows how black text looks on a background with the XYZ color 48.4777, 70.7008, 95.8856.



This preview shows how white text looks on a background with the XYZ color 48.4777, 70.7008,

Color Blindness Simulation

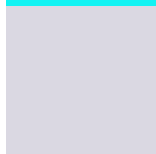
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.4777, 70.7008, 95.8856



Protanopia

67.1968, 69.5081, 81.8263



Deuteranopia

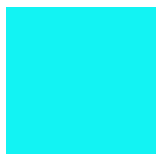
70.6738, 69.0203, 100.0398



Tritanopia

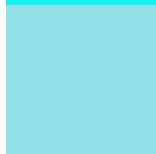
53.1387, 70.6962, 105.4528

Trichromacy



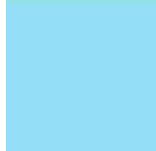
Original Color

48.4777, 70.7008, 95.8856



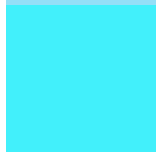
Protanomaly

53.4389, 66.2387, 86.3127



Deuteranomaly

55.3889, 65.7867, 97.7745



Tritanomaly

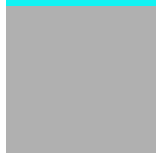
50.8194, 70.4435, 102.1853

Monochromacy



Original Color

48.4777, 70.7008, 95.8856



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.6874, 49.4006, 62.1398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4777, 70.7008, 95.8856 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(18, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(18, 243, 243)  
}
```

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(18, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 243, 243) }
```

Border

The CSS property to change the border of an element to XYZ 48.4777, 70.7008, 95.8856 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(18, 243, 243) }
```


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

```
.border{ border-color:rgb(18, 243, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 243, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 243, 243);  
box-shadow:4px 4px 4px 4px rgb(18, 243,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4777, 70.7008, 95.8856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 243, 243) }
```

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

```
.background{ background-color: rgb(18, 243,  
243) }
```

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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