

Converting Colors

XYZ(48.6062, 70.8244, 95.9831)

Have a look what the booklet for
XYZ(48.6062, 70.8244, 95.9831)
contains.

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Color

**XYZ(48.5591, 70.7428,
95.8894)**

Conversions

Conversions Part 1

Format	Color
Hex	16F3F3
RGB	22, 243, 243
RGB Percent	9%, 95%, 95%
CMY	0.9136, 0.0470, 0.0471
CMYK	0.91, 0.00, 0.00, 0.05
HSL	180°, 90%, 52%
HSV	180°, 91%, 95%
XYZ	48.5591, 70.7428, 95.8894
YIQ	176.9210, -131.7160, -46.8520

Conversions

Conversions Part 2

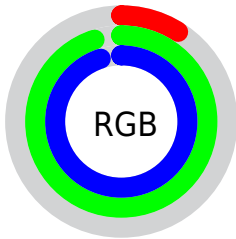
Format	Color
R _Y B	22, 133, 243
Decimal	1504243
CIE Lab	87.36, -45.80, -13.50
CIE LCh	87, 47.752, 196.420
Yxy	70.7428, 0.2257, 0.3287
Android (android.graphics.Color)	4279694323 (0xFF16F3F3)
YUV	176.9210, 32.5769, -135.8657
Hunter-Lab	84.1087, -44.1356, -8.7183

Details

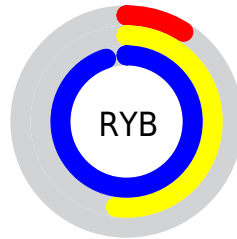
The XYZ color **48.5591, 70.7428, 95.8894** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **37.3962, 19.6886, 2.5903**, and the grayscale version is **41.6392, 43.8076, 47.7065**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, 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, 95.8754**, and if you desaturate by 10%, it is **49.3716, 71.1632, 95.9292**.

Distribution



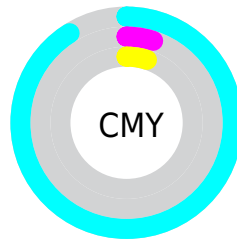
- Red (9%)
- Green (95%)
- Blue (95%)



- Red (9%)
- Yellow (52%)
- Blue (95%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (91%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5591, 70.7428, 95.8894 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 48.5591, 70.7428, 95.8894 by changing the saturation by 10% instead.

 48.5591, 70.7428,
95.8894


 48.5591, 70.7428,
95.8894


371.5498,
463.1538, 568.0653


 34.4829, 52.1323,
72.2745


 87.2409, 120.2674,
157.4989


 23.4295, 37.1106,
52.8947


 112.5773,
151.9504, 196.3306

 15.0334, 25.2931,
37.3316


 142.3979,
188.7596, 241.0716

 8.9293, 16.2956,
25.1665

 177.0679,
231.0795, 292.1404

 4.7518, 9.7335,
15.9810

216.9527,
279.2945, 349.9557

 2.1357, 5.2226,
9.3565

262.4177,

 0.7085, 2.3785,

333.7890, 414.9359

4.8745

313.8283,
394.9473, 487.4996

■ 0.0000, 0.8148,
2.1163

■ 0.0000, 0.0000,
0.6255

■ 48.5591, 70.7428,
95.8894

■ 48.5591, 70.7428,
95.8894


■ 48.2295, 70.5744,
95.8754

■ 49.3716, 71.1632,
95.9292


■ 50.8017, 71.9004,
95.9963


■ 52.9426, 73.0041,
96.0966

■ 55.8703, 74.5133,
96.2338

 59.6510, 76.4624,
96.4109

 64.3441, 78.8817,
96.6307

 70.0035, 81.7993,
96.8957

 76.6790, 85.2406,
97.2083

 84.4170, 89.2297,
97.5706

Harmonies

Analogous

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



48.3362, 70.7428, 63.3833



48.5591, 70.7428, 95.8894



53.4084, 70.7428, 131.1530

Triad

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



48.5591, 70.7428, 95.8894



84.1488, 70.7428, 128.0832



72.4444, 70.7428, 31.1540

Complementary

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



48.5591, 70.7428, 95.8894



37.3962, 19.6886, 2.5903

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.



83.2720, 70.7428, 40.3149



48.5591, 70.7428, 95.8894



90.5209, 70.7428, 92.5000

Square

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



48.5591, 70.7428, 95.8894



73.5376, 70.7428, 152.9960



90.1832, 70.7428, 60.8159



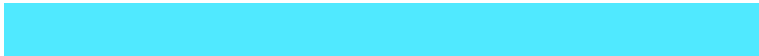
61.3106, 70.7428, 31.5904

Rectangle

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



48.5591, 70.7428, 95.8894



58.9555, 70.7428, 148.8547



90.1832, 70.7428, 60.8159



76.2640, 70.7428, 33.0730

Sweetspot

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



48.5612, 70.7454, 95.8911



74.0961, 89.1979, 107.9189



32.6157, 64.3773, 11.4680



15.4201, 18.8654, 23.0785



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.



48.5612, 70.7454, 95.8911



53.8097, 78.7399, 106.9682



25.3427, 24.3079, 88.1530



16.9968, 18.7578, 21.2673



26.4692, 38.7325, 52.6182



2.3264, 3.4042, 4.6246

Inverse Universe

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



37.3962, 19.6886, 2.5903



41.2400, 21.2600, 1.9301



44.9374, 34.7712, 5.1040



16.4992, 16.4825, 17.1094



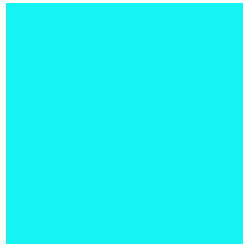
20.2862, 10.4579, 0.9494



1.7830, 0.9191, 0.0835

Previews

White Background



This preview shows how the XYZ color 48.5591, 70.7428, 95.8894 looks on a white background.

Color Contrast Check

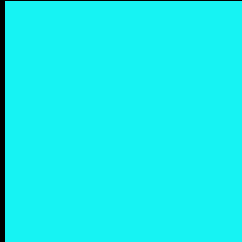
Large Text (above 18pt) WCAG AA × Fail

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 48.5591, 70.7428, 95.8894 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

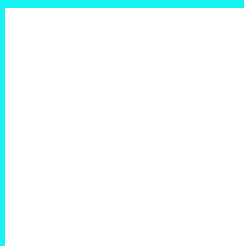
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5591, 70.7428, 95.8894

Background



This preview shows how black text looks on a background with the XYZ color 48.5591, 70.7428, 95.8894.



This preview shows how white text looks on a background with the XYZ color 48.5591, 70.7428,

Color Blindness Simulation

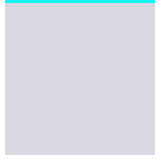
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



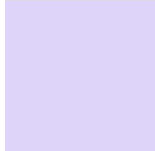
Original Color

48.5591, 70.7428, 95.8894



Protanopia

67.1968, 69.5081, 81.8263



Deuteranopia

70.9230, 69.5187, 100.1229



Tritanopia

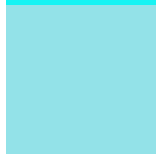
53.2406, 70.7488, 105.4575

Trichromacy



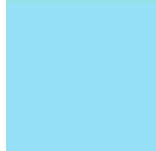
Original Color

48.5591, 70.7428, 95.8894



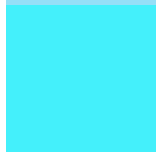
Protanomaly

53.7945, 66.4220, 86.3294



Deuteranomaly

55.5706, 65.8803, 97.7830



Tritanomaly

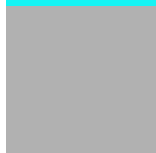
50.9566, 70.5142, 102.1917

Monochromacy



Original Color

48.5591, 70.7428, 95.8894



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.3144, 50.0553, 62.8479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5591, 70.7428, 95.8894 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(22, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 243, 243) }
```

Border

The CSS property to change the border of an element to XYZ 48.5591, 70.7428, 95.8894 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(22, 243, 243) }
```


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

```
.border{ border-color:rgb(22, 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(22, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 243, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 243, 243);  
box-shadow:4px 4px 4px 4px rgb(22, 243,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5591, 70.7428, 95.8894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 243, 243) }
```

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

```
.background{ background-color: rgb(22, 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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