

Converting Colors

XYZ(49.1133, 70.6760, 95.2573)

Have a look what the booklet for
XYZ(49.1133, 70.6760, 95.2573)
contains.

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Color

**XYZ(49.0458, 70.5680,
95.0404)**

Conversions

Conversions Part 1

Format	Color
Hex	31F2F2
RGB	49, 242, 242
RGB Percent	19%, 95%, 95%
CMY	0.8078, 0.0510, 0.0510
CMYK	0.80, 0.00, 0.00, 0.05
HSL	180°, 88%, 57%
HSV	180°, 80%, 95%
XYZ	49.0458, 70.5680, 95.0404
YIQ	184.2930, -115.0280, -40.9160

Conversions

Conversions Part 2

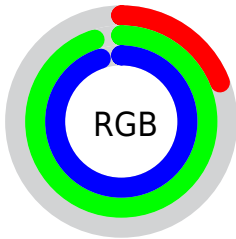
Format	Color
R _Y B	49, 146, 242
Decimal	3273458
CIE Lab	87.27, -44.11, -13.08
CIE LCh	87, 46.004, 196.515
Yxy	70.5680, 0.2285, 0.3288
Android (android.graphics.Color)	4281463538 (0xFF31F2F2)
YUV	184.2930, 28.4496, -118.6520
Hunter-Lab	84.0048, -42.7919, -8.2755

Details

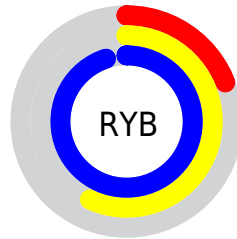
The XYZ color **49.0458, 70.5680, 95.0404** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.2730, 21.2980, 5.0017**, and the grayscale version is **45.6190, 47.9947, 52.2662**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **26.2119, 38.2431, 52.4545** is the 20% darker color. If you saturate the color by 10%, you get **48.1768, 70.1216, 95.0012**, and if you desaturate by 10%, it is **50.5447, 71.3423, 95.1123**.

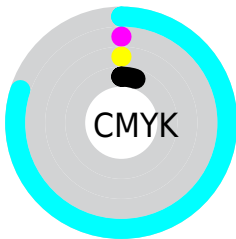
Distribution



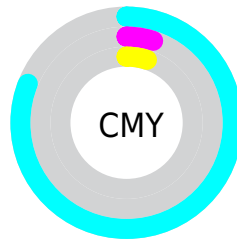
- Red (19%)
- Green (95%)
- Blue (95%)



- Red (19%)
- Yellow (57%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0458, 70.5680, 95.0404 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 49.0458, 70.5680, 95.0404 by changing the saturation by 10% instead.


 49.0458, 70.5680,
95.0404


 49.0458, 70.5680,
95.0404


373.4366,
462.5418, 565.2819


 34.8705, 51.9897,
71.5715


 87.9598, 120.0184,
156.3165


 23.7292, 36.9969,
52.3240


 113.4292,
151.6593, 194.9608

 15.2565, 25.2051,
36.8794


 143.3940,
188.4233, 239.5006

 9.0871, 16.2299,
24.8191

 178.2195,
230.6946, 290.3545

 4.8556, 9.6870,
15.7245

218.2712,
278.8577, 347.9411

 2.1967, 5.1919,
9.1772

263.9144,

 0.7410, 2.3603,

333.2970, 412.6788

4.7585

315.5144,
394.3970, 484.9863

■ 0.0000, 0.8054,
2.0501

■ 0.0000, 0.0000,
0.5858

■ 49.0458, 70.5680,
95.0404

■ 49.0458, 70.5680,
95.0404

■ 48.1768, 70.1216,
95.0012

■ 50.5447, 71.3423,
95.1123


■ 47.7881, 69.9212,
94.9828


■ 52.7551, 72.4817,
95.2159


■ 47.7803, 69.9172,
94.9824


■ 55.7528, 74.0271,
95.3564


■ 59.6027, 76.0118,
95.5367

 64.3626, 78.4656,
95.7597

 70.0855, 81.4159,
96.0277

 76.8202, 84.8877,
96.3430

 84.6123, 88.9047,
96.7079

 89.0207, 91.1773,
96.9144

Harmonies

Analogous

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



48.8151, 70.5680, 63.7690



49.0458, 70.5680, 95.0404



53.7560, 70.5680, 128.6540

Triad

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



49.0458, 70.5680, 95.0404



83.3204, 70.5680, 125.5389



72.0397, 70.5680, 32.2546

Complementary

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



49.0458, 70.5680, 95.0404



38.2730, 21.2980, 5.0017

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.



82.4250, 70.5680, 41.2197



49.0458, 70.5680, 95.0404



89.3949, 70.5680, 91.5775

Square

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



49.0458, 70.5680, 95.0404



73.1596, 70.5680, 149.2464



89.0506, 70.5680, 61.1196



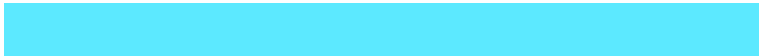
61.3333, 70.5680, 32.7139

Rectangle

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



49.0458, 70.5680, 95.0404



59.1225, 70.5680, 145.4248



89.0506, 70.5680, 61.1196



75.7056, 70.5680, 34.1353

Sweetspot

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



49.0479, 70.5706, 95.0421



76.0067, 90.1829, 108.0083



33.7362, 64.4645, 13.5726



15.7852, 19.0537, 23.0956



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.



49.0479, 70.5706, 95.0421



53.9373, 78.8057, 106.9741



27.9994, 28.4732, 88.0272



16.2474, 17.9290, 20.3259



25.6672, 37.5589, 51.0237



2.1353, 3.1245, 4.2447

Inverse Universe

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



38.2730, 21.2980, 5.0017



41.4066, 21.5038, 2.2612



46.8908, 38.5336, 7.8741



15.7729, 15.7589, 16.3602



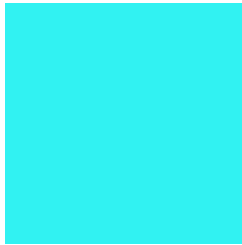
19.6715, 10.1410, 0.9207



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 49.0458, 70.5680, 95.0404 looks on a white background.

Color Contrast Check

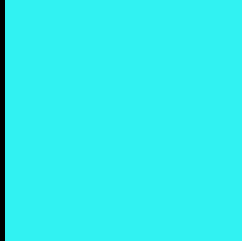
Large Text (above 18pt) WCAG AA × Fail

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 49.0458, 70.5680, 95.0404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

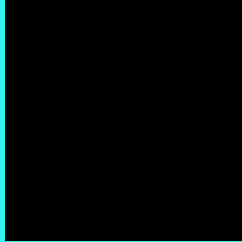
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0458, 70.5680, 95.0404

Background



This preview shows how black text looks on a background with the XYZ color 49.0458, 70.5680, 95.0404.

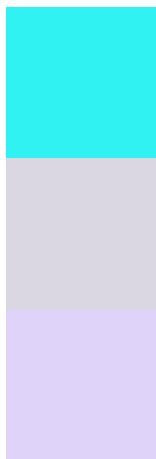


This preview shows how white text looks on a background with the XYZ color 49.0458, 70.5680,

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

49.0458, 70.5680, 95.0404

Protanopia

66.9413, 68.9973, 81.7411

Deuteranopia

70.8246, 69.1161, 99.2304



Tritanopia

53.0535, 70.2213, 105.3656

Trichromacy



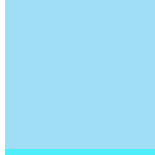
Original Color

49.0458, 70.5680, 95.0404



Protanomaly

55.3953, 66.8447, 86.3266



Deuteranomaly

57.2530, 66.3700, 96.9819



Tritanomaly

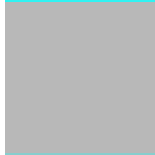
51.2637, 70.2548, 101.3011

Monochromacy



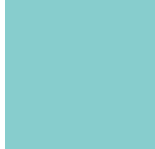
Original Color

49.0458, 70.5680, 95.0404



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.8424, 53.2213, 65.7723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0458, 70.5680, 95.0404 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(49, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 242, 242)  
}
```

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(49, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 242) }
```

Border

The CSS property to change the border of an element to XYZ 49.0458, 70.5680, 95.0404 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(49, 242, 242) }
```


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

```
.border{ border-color:rgb(49, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 242,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0458, 70.5680, 95.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 242) }
```

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

```
.background{ background-color: rgb(49, 242,  
242) }
```

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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