

Converting Colors

XYZ(49.2511, 70.3825, 88.2229)

Have a look what the booklet for
XYZ(49.2511, 70.3825, 88.2229)
contains.

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Color

**XYZ(49.2238, 70.3716,
88.0795)**

Conversions

Conversions Part 1

Format	Color
Hex	4DF1E9
RGB	77, 241, 233
RGB Percent	30%, 95%, 91%
CMY	0.6980, 0.0549, 0.0863
CMYK	0.68, 0.00, 0.03, 0.05
HSL	177°, 85%, 62%
HSV	177°, 68%, 95%
XYZ	49.2238, 70.3716, 88.0795
YIQ	191.0520, -95.1760, -37.2560

Conversions

Conversions Part 2

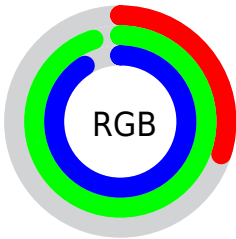
Format	Color
RYB	77, 161, 241
Decimal	5108201
CIELab	87.18, -43.21, -8.46
CIELCh	87, 44.028, 191.075
Yxy	70.3716, 0.2370, 0.3389
Android (android.graphics.Color)	4283298281 (0xFF4DF1E9)
YUV	191.0520, 20.6804, -100.0236
Hunter-Lab	83.8878, -42.0631, -3.5312

Details

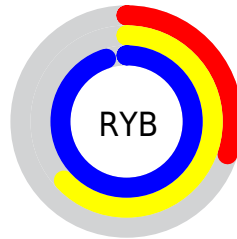
The XYZ color **49.2238, 70.3716, 88.0795** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.5715, 24.6664, 11.2192**, and the grayscale version is **49.4771, 52.0538, 56.6866**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **25.0763, 37.4553, 47.5029** is the 20% darker color. If you saturate the color by 10%, you get **47.4605, 69.4835, 87.1244**, and if you desaturate by 10%, it is **51.7123, 71.6366, 89.0775**.

Distribution



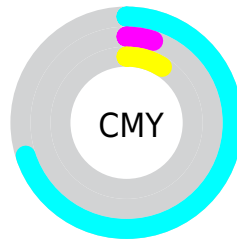
- Red (30%)
- Green (95%)
- Blue (91%)



- Red (30%)
- Yellow (63%)
- Blue (95%)



- Cyan (68%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (70%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2238, 70.3716, 88.0795 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 49.2238, 70.3716, 88.0795 by changing the saturation by 10% instead.


 49.2238, 70.3716,
88.0795

 49.2238, 70.3716,
88.0795


374.1251,
461.8537, 542.1716


 35.0123, 51.8295,
65.8242


 88.2225, 119.7385,
146.5799


 23.8389, 36.8692,
47.6741


 113.7404,
151.3322, 183.6622

 15.3383, 25.1062,
33.2107


 143.7578,
188.0452, 226.5238

 9.1450, 16.1562,
22.0155

 178.6401,
230.2619, 275.5833

 4.8937, 9.6348,
13.6699

218.7526,
278.3667, 331.2593

 2.2192, 5.1575,
7.7553

264.4607,

 0.7528, 2.3400,

332.7440, 393.9704

3.8532

316.1297,
393.7782, 464.1349

■ 0.0000, 0.7947,
1.5452

■ 0.0000, 0.0000,
0.2513

■ 49.2238, 70.3716,
88.0795

■ 49.2238, 70.3716,
88.0795

■ 47.4605, 69.4835,
87.1244

■ 51.7123, 71.6366,
89.0775

■ 46.3321, 68.9210,
86.2033


■ 54.9910, 73.3072,
90.1168


■ 45.7245, 68.6269,
85.3124


■ 59.1248, 75.4185,
91.2019


■ 45.6334, 68.5836,
85.1404


■ 64.1702, 77.9996,
92.3356

 70.1787, 81.0772,
93.5203

 77.1982, 84.6757,
94.7582

 85.2733, 88.8183,
96.0513

 88.7850, 90.6083,
97.1369

 88.9627, 90.6794,
98.0723

Harmonies

Analogous

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



49.7997, 70.3716, 59.6128



49.2238, 70.3716, 88.0795



53.0008, 70.3716, 120.4119

Triad

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



49.2238, 70.3716, 88.0795



80.8058, 70.3716, 128.0098



73.5379, 70.3716, 34.4224

Complementary

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



49.2238, 70.3716, 88.0795



40.5715, 24.6664, 11.2192

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.



83.0066, 70.3716, 44.9912



49.2238, 70.3716, 88.0795



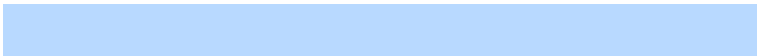
87.4920, 70.3716, 96.5948

Square

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



49.2238, 70.3716, 88.0795



70.7752, 70.3716, 147.1138



88.3365, 70.3716, 66.2051



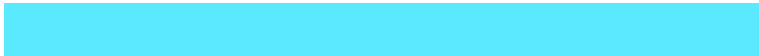
63.1421, 70.3716, 33.2535

Rectangle

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



49.2238, 70.3716, 88.0795



57.7309, 70.3716, 137.9833



88.3365, 70.3716, 66.2051



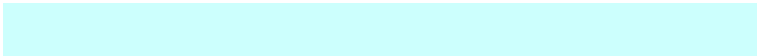
76.9613, 70.3716, 36.8357

Sweetspot

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



49.2259, 70.3743, 88.0812



78.3137, 91.4181, 106.0389



36.5615, 65.3898, 17.7172



16.3396, 19.3507, 22.6149



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.



49.2259, 70.3743, 88.0812



53.3327, 78.6787, 98.5994



32.7955, 35.6421, 88.3732



16.2121, 17.9149, 20.1398



24.7602, 37.1961, 46.2475



2.0700, 3.0984, 3.9010

Inverse Universe

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



40.5715, 24.6664, 11.2192



42.9294, 23.4927, 6.0265



48.6522, 41.3083, 12.4318



15.8041, 15.7713, 16.5244



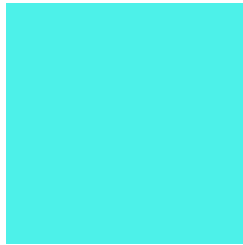
19.7206, 10.1606, 1.1791



1.6515, 0.8496, 0.1556

Previews

White Background



This preview shows how the XYZ color 49.2238, 70.3716, 88.0795 looks on a white background.

Color Contrast Check

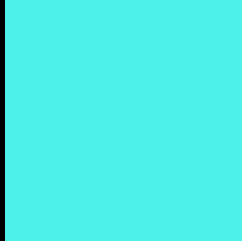
Large Text (above 18pt) WCAG AA × Fail

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 49.2238, 70.3716, 88.0795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

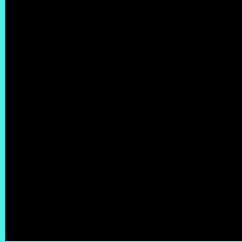
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

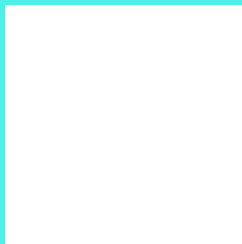
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2238, 70.3716, 88.0795

Background



This preview shows how black text looks on a background with the XYZ color 49.2238, 70.3716, 88.0795.

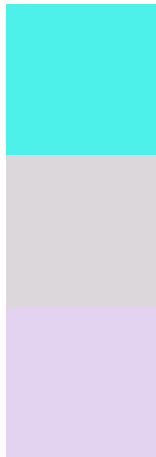


This preview shows how white text looks on a background with the XYZ color 49.2238, 70.3716,

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

49.2238, 70.3716, 88.0795

Protanopia

66.4705, 68.8785, 76.1212

Deuteranopia

70.7010, 69.2107, 92.0707



Tritanopia

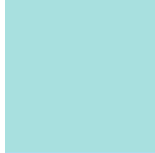
53.5897, 70.4977, 105.3907

Trichromacy



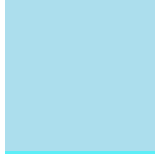
Original Color

49.2238, 70.3716, 88.0795



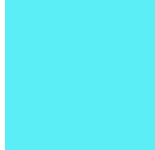
Protanomaly

56.1234, 66.9639, 79.7793



Deuteranomaly

58.4206, 67.1276, 89.9986



Tritanomaly

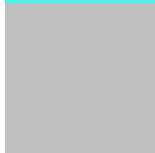
51.7767, 70.1398, 98.8051

Monochromacy



Original Color

49.2238, 70.3716, 88.0795



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.5187, 56.5412, 66.8543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2238, 70.3716, 88.0795 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(77, 241, 233)` looks like.

```
.text, #text, p{  
    color:rgb(77, 241, 233)  
}
```

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(77, 241, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 241, 233) }
```

Border

The CSS property to change the border of an element to XYZ 49.2238, 70.3716, 88.0795 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(77, 241, 233) }
```


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

```
.border{ border-color:rgb(77, 241, 233) }
```

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

Here you see how a box with a 4 pixel rgb(77, 241, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 241, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 241, 233);  
box-shadow:4px 4px 4px 4px rgb(77, 241,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2238, 70.3716, 88.0795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 241, 233) }
```

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

```
.background{ background-color: rgb(77, 241,  
233) }
```

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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