

Converting Colors

XYZ(48.2570, 70.3422, 80.2788)

Have a look what the booklet for
XYZ(48.2570, 70.3422, 80.2788)
contains.

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Color

**XYZ(48.3303, 70.5275,
80.1731)**

Conversions

Conversions Part 1

Format	Color
Hex	51F2DE
RGB	81, 242, 222
RGB Percent	32%, 95%, 87%
CMY	0.6823, 0.0510, 0.1294
CMYK	0.67, 0.00, 0.08, 0.05
HSL	173°, 86%, 63%
HSV	173°, 67%, 95%
XYZ	48.3303, 70.5275, 80.1731
YIQ	191.5810, -89.5360, -40.3520

Conversions

Conversions Part 2

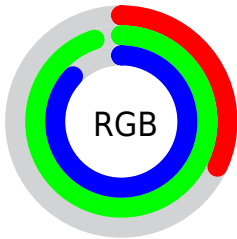
Format	Color
R_{YB}	81, 167, 242
Decimal	5370590
CIE Lab	87.25, -45.98, -2.57
CIE LCh	87, 46.053, 183.205
Yxy	70.5275, 0.2428, 0.3544
Android (android.graphics.Color)	4283560670 (0xFF51F2DE)
YUV	191.5810, 14.9966, -96.9795
Hunter-Lab	83.9807, -44.2406, 2.1846

Details

The XYZ color **48.3303, 70.5275, 80.1731** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **41.9118, 25.7038, 15.0669**, and the grayscale version is **49.8138, 52.4080, 57.0723**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **24.3240, 37.4879, 42.5131** is the 20% darker color. If you saturate the color by 10%, you get **46.2152, 69.4849, 77.9906**, and if you desaturate by 10%, it is **51.1952, 71.9591, 82.4314**.

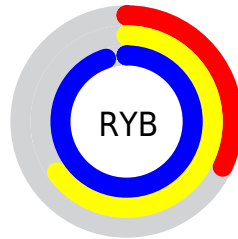
Distribution



Red (32%)

Green (95%)

Blue (87%)



Red (32%)

Yellow (65%)

Blue (95%)

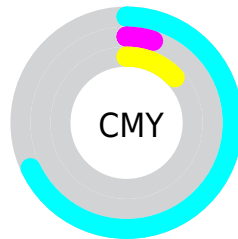


Cyan (67%)

Magenta (0%)

Yellow (8%)

Black (5%)



Cyan (68%)


Magenta (5%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3303, 70.5275, 80.1731 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 48.3303, 70.5275, 80.1731 by changing the saturation by 10% instead.


 48.3303, 70.5275,
80.1731


 48.3303, 70.5275,
80.1731


370.6607,
462.4000, 515.2381


 34.3009, 51.9567,
59.3338


 86.9027, 119.9607,
135.4227


 23.2888, 36.9706,
42.4601

 112.1764,
151.5919, 170.6700

 14.9288, 25.1847,
29.1335

 141.9289,
188.3453, 211.5571

 8.8554, 16.2147,
18.9354

 176.5255,
230.6054, 258.5026

 4.7033, 9.6762,
11.4472

216.3317,
278.7565, 311.9248

 2.1072, 5.1848,
6.2506

261.7127,

 0.6931, 2.3561,

333.1830, 372.2425

2.9268

313.0339,
394.2694, 439.8741

■ 0.0000, 0.8032,
1.0574

■ 0.0000, 0.0000,
0.0000

■ 48.3303, 70.5275,
80.1731

■ 48.3303, 70.5275,
80.1731

■ 46.2152, 69.4849,
77.9906

■ 51.1952, 71.9591,
82.4314

■ 44.7611, 68.7807,
75.8747


■ 54.8744, 73.8080,
84.7639

■ 43.8664, 68.3639,
73.8222


■ 59.4323, 76.1090,
87.1754


■ 43.6290, 68.2568,
73.1213


■ 64.9251, 78.8911,
89.6688

 71.4043, 82.1809,
92.2467

 78.9177, 86.0031,
94.9113

 87.5100, 90.3805,
97.6651

 89.6362, 91.4237,
100.1552

 90.1017, 91.6099,
102.6065

Harmonies

Analogous

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



50.1223, 70.5275, 52.9381



48.3303, 70.5275, 80.1731



51.0870, 70.5275, 114.2714

Triad

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



48.3303, 70.5275, 80.1731



79.0881, 70.5275, 138.2287



76.8593, 70.5275, 34.9340

Complementary

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



48.3303, 70.5275, 80.1731



41.9118, 25.7038, 15.0669

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.



85.9965, 70.5275, 48.5607



48.3303, 70.5275, 80.1731



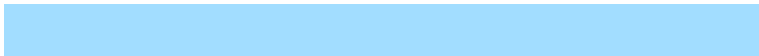
87.3775, 70.5275, 106.9126

Square

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



48.3303, 70.5275, 80.1731



68.2045, 70.5275, 152.9865



90.0312, 70.5275, 73.5082



65.8775, 70.5275, 31.3353

Rectangle

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



48.3303, 70.5275, 80.1731



55.3272, 70.5275, 135.0846



90.0312, 70.5275, 73.5082



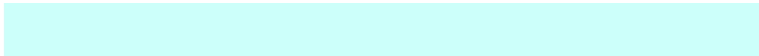
80.2863, 70.5275, 38.2724

Sweetspot

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



48.3323, 70.5302, 80.1748



77.7083, 91.1760, 102.8509



38.7722, 66.9533, 18.6660



16.1923, 19.2917, 21.8391



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.



48.3323, 70.5302, 80.1748



51.3598, 77.9176, 86.9419



36.3494, 42.0162, 90.2015



16.1579, 17.8932, 19.8543



23.4720, 36.6808, 39.4640



1.9762, 3.0609, 3.4068

Inverse Universe

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



41.9118, 25.7038, 15.0669



43.7404, 24.1543, 9.2574



47.4887, 38.2400, 12.6643



15.8527, 15.7908, 16.7805



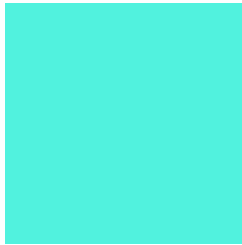
19.8242, 10.2021, 1.7250



1.6747, 0.8589, 0.2777

Previews

White Background



This preview shows how the XYZ color 48.3303, 70.5275, 80.1731 looks on a white background.

Color Contrast Check

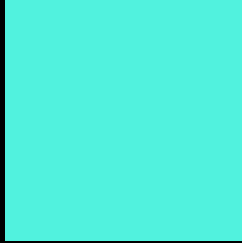
Large Text (above 18pt) WCAG AA × Fail

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 48.3303, 70.5275, 80.1731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

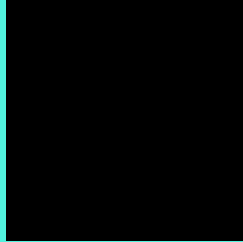
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3303, 70.5275, 80.1731

Background



This preview shows how black text looks on a background with the XYZ color 48.3303, 70.5275, 80.1731.

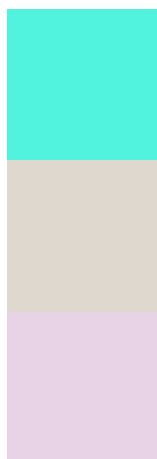


This preview shows how white text looks on a background with the XYZ color 48.3303, 70.5275,

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

48.3303, 70.5275, 80.1731

Protanopia

66.2498, 69.3047, 68.9169

Deuteranopia

70.4682, 68.9061, 83.7149



Tritanopia

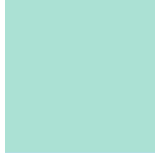
53.7544, 70.1540, 105.3157

Trichromacy



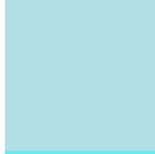
Original Color

48.3303, 70.5275, 80.1731



Protanomaly

55.6035, 67.2618, 72.3396



Deuteranomaly

57.9802, 67.0807, 81.8435



Tritanomaly

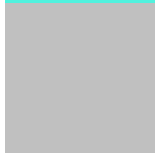
51.5761, 70.1069, 95.6077

Monochromacy



Original Color

48.3303, 70.5275, 80.1731



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.7750, 57.0804, 65.0522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3303, 70.5275, 80.1731 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(81, 242, 222)` looks like.

```
.text, #text, p{  
    color:rgb(81, 242, 222)  
}
```

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(81, 242, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 242, 222) }
```

Border

The CSS property to change the border of an element to XYZ 48.3303, 70.5275, 80.1731 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(81, 242, 222) }
```


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

```
.border{ border-color:rgb(81, 242, 222) }
```

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

Here you see how a box with a 4 pixel rgb(81, 242, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 242, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 242, 222);  
box-shadow:4px 4px 4px 4px rgb(81, 242,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3303, 70.5275, 80.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 242, 222) }
```

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

```
.background{ background-color: rgb(81, 242,  
222) }
```

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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