

Converting Colors

XYZ(50.6212, 71.4783, 95.4038)

Have a look what the booklet for
XYZ(50.6212, 71.4783, 95.4038)
contains.

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Color

**XYZ(50.5268, 71.3315,
95.1097)**

Conversions

Conversions Part 1

Format	Color
Hex	49F2F2
RGB	73, 242, 242
RGB Percent	29%, 95%, 95%
CMY	0.7137, 0.0510, 0.0510
CMYK	0.70, 0.00, 0.00, 0.05
HSL	180°, 87%, 62%
HSV	180°, 70%, 95%
XYZ	50.5268, 71.3315, 95.1097
YIQ	191.4690, -100.7240, -35.8280

Conversions

Conversions Part 2

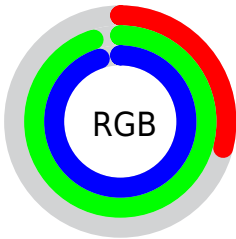
Format	Color
RYB	73, 158, 242
Decimal	4846322
CIELab	87.65, -41.71, -12.48
CIELCh	88, 43.538, 196.663
Yxy	71.3315, 0.2329, 0.3288
Android (android.graphics.Color)	4283036402 (0xFF49F2F2)
YUV	191.4690, 24.9118, -103.8973
Hunter-Lab	84.4580, -41.0142, -7.6470

Details

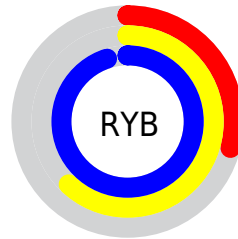
The XYZ color **50.5268, 71.3315, 95.1097** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **40.2055, 24.1257, 8.8433**, and the grayscale version is **49.6980, 52.2862, 56.9396**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **26.2119, 38.2431, 52.4545** is the 20% darker color. If you saturate the color by 10%, you get **49.0379, 70.5655, 95.0414**, and if you desaturate by 10%, it is **52.7328, 72.4703, 95.2148**.

Distribution



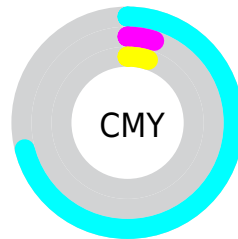
- Red (29%)
- Green (95%)
- Blue (95%)



- Red (29%)
- Yellow (62%)
- Blue (95%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (71%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5268, 71.3315, 95.1097 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 50.5268, 71.3315, 95.1097 by changing the saturation by 10% instead.


 50.5268, 71.3315,
95.1097


 50.5268, 71.3315,
95.1097


379.1405,
465.2114, 565.5094


 36.0517, 52.6128,
71.6289


 90.1421, 121.1056,
156.4130


 24.6444, 37.4937,
52.3706


 116.0129,
152.9298, 195.0726

 15.9396, 25.5900,
36.9163


 146.4131,
189.8913, 239.6289

 9.5720, 16.5172,
24.8474

 181.7079,
232.3744, 290.5004

 5.1762, 9.8908,
15.7454

222.2626,
280.7636, 348.1057

 2.3868, 5.3266,
9.1918

268.4428,

 0.8385, 2.4402,

335.4432, 412.8632

4.7680

320.6136,
396.7977, 485.1916

■ 0.0000, 0.8464,
2.0554

■ 0.0000, 0.0000,
0.5890

■ 50.5268, 71.3315,
95.1097

■ 50.5268, 71.3315,
95.1097

■ 49.0379, 70.5655,
95.0414

■ 52.7328, 72.4703,
95.2148

■ 48.1717, 70.1190,
95.0007


■ 55.7236, 74.0121,
95.3549


■ 47.7855, 69.9199,
94.9824


■ 59.5658, 75.9929,
95.5350


■ 47.7803, 69.9172,
94.9821


■ 64.3177, 78.4425,
95.7576

 70.0321, 81.3884,
96.0252

 76.7580, 84.8557,
96.3402

 84.5409, 88.8679,
96.7046

 89.0208, 91.1774,
96.9145

 89.0208, 91.1774,
96.9147

Harmonies

Analogous

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



50.2824, 71.3315, 65.2952



50.5268, 71.3315, 95.1097



55.0846, 71.3315, 126.7060

Triad

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



50.5268, 71.3315, 95.1097



83.2615, 71.3315, 123.5040



72.4743, 71.3315, 34.4908

Complementary

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



50.5268, 71.3315, 95.1097



40.2055, 24.1257, 8.8433

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.



82.3319, 71.3315, 43.2630



50.5268, 71.3315, 95.1097



88.9724, 71.3315, 91.5124

Square

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



50.5268, 71.3315, 95.1097



73.6426, 71.3315, 145.7330



88.6159, 71.3315, 62.5005



62.2720, 71.3315, 34.9897

Rectangle

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



50.5268, 71.3315, 95.1097



60.2456, 71.3315, 142.3218



88.6159, 71.3315, 62.5005



75.9575, 71.3315, 36.3348

Sweetspot

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



50.5290, 71.3342, 95.1114



78.0185, 91.2199, 108.1024



35.9230, 65.5170, 17.0580



16.3020, 19.3201, 23.1198



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.



50.5290, 71.3342, 95.1114



54.7161, 79.2072, 107.0104



31.4031, 33.0820, 88.7375



16.2474, 17.9290, 20.3259



25.6671, 37.5589, 51.0235



2.1353, 3.1245, 4.2447

Inverse Universe

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



40.2055, 24.1257, 8.8433



42.4228, 22.9908, 4.2815



49.4921, 42.6990, 11.9385



15.7729, 15.7589, 16.3602



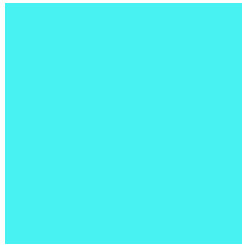
19.6715, 10.1410, 0.9207



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 50.5268, 71.3315, 95.1097 looks on a white background.

Color Contrast Check

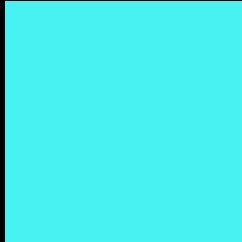
Large Text (above 18pt) WCAG AA × Fail

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 50.5268, 71.3315, 95.1097 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

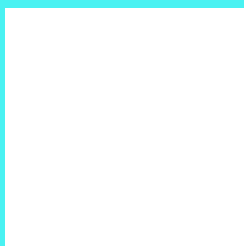
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5268, 71.3315, 95.1097

Background



This preview shows how black text looks on a background with the XYZ color 50.5268, 71.3315, 95.1097.

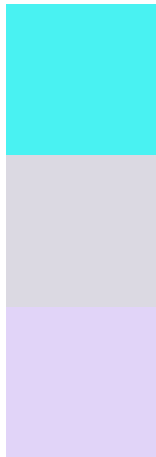


This preview shows how white text looks on a background with the XYZ color 50.5268, 71.3315,

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

50.5268, 71.3315, 95.1097

Protanopia

67.7537, 70.1768, 81.9260

Deuteranopia

71.5381, 69.8718, 98.5231



Tritanopia

54.3976, 70.9142, 105.4285

Trichromacy



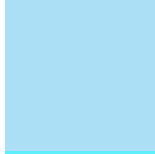
Original Color

50.5268, 71.3315, 95.1097



Protanomaly

57.4877, 68.3259, 86.5022



Deuteranomaly

59.5998, 67.9752, 97.1681



Tritanomaly

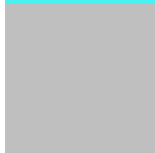
52.8411, 71.0680, 101.3750

Monochromacy



Original Color

50.5268, 71.3315, 95.1097



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.8922, 57.0422, 69.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5268, 71.3315, 95.1097 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(73, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(73, 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(73, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 242, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.5268, 71.3315, 95.1097 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(73, 242, 242) }
```


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

```
.border{ border-color:rgb(73, 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(73, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(73, 242,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5268, 71.3315, 95.1097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 242, 242) }
```

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

```
.background{ background-color: rgb(73, 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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