

Converting Colors

XYZ(51.9549, 73.0032,
105.9605)

Have a look what the booklet for
XYZ(51.9549, 73.0032, 105.9605)
contains.

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Color

**XYZ(52.0676, 73.2286,
105.9980)**

Conversions

Conversions Part 1

Format	Color
Hex	33F5FF
RGB	51, 245, 255
RGB Percent	20%, 96%, 100%
CMY	0.7999, 0.0392, 0.0000
CMYK	0.80, 0.04, 0.00, 0.00
HSL	183°, 100%, 60%
HSV	183°, 80%, 100%
XYZ	52.0676, 73.2286, 105.9980
YIQ	188.1340, -118.8340, -38.0180

Conversions

Conversions Part 2

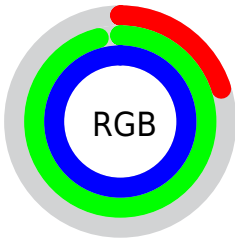
Format	Color
R_{YB}	51, 150, 255
Decimal	3405311
CIE _{Lab}	88.56, -41.56, -17.95
CIE _{LCh}	89, 45.269, 203.358
Yxy	73.2286, 0.2251, 0.3166
Android (android.graphics.Color)	4281595391 (0xFF33F5FF)
YUV	188.1340, 32.9649, -120.2665
Hunter-Lab	85.5737, -41.1451, -13.5394

Details

The XYZ color **52.0676, 73.2286, 105.9980** 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 **43.5074, 24.8382, 5.6352**, and the grayscale version is **47.7468, 50.2334, 54.7041**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **28.1763, 40.0437, 59.6702** is the 20% darker color. If you saturate the color by 10%, you get **50.7404, 71.9866, 105.8283**, and if you desaturate by 10%, it is **54.1046, 74.8435, 106.2024**.

Distribution



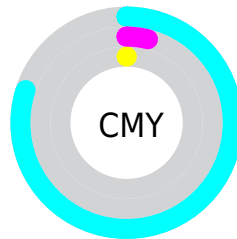
- Red (20%)
- Green (96%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0676, 73.2286, 105.9980 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 52.0676, 73.2286, 105.9980 by changing the saturation by 10% instead.


 52.0676, 73.2286,
105.9980


 52.0676, 73.2286,
105.9980


385.0172,
471.8067, 600.6665

 37.2834, 54.1629,
80.6744


 92.4046, 123.8017,
171.4992


 25.6017, 38.7319,
59.7440


 118.6881,
156.0779, 212.5138

 16.6570, 26.5512,
42.7884

 149.5354,
193.5263, 259.5959

 10.0840, 17.2365,
29.3890

 185.3120,
236.5315, 313.1639

 5.5174, 10.4032,
19.1272

226.3831,
285.4777, 373.6365

 2.5918, 5.6671,
11.5844

273.1141,

 0.9418, 2.6437,

340.7494, 441.4321

6.3423

325.8703,
402.7309, 516.9692

■ 0.0000, 0.9487,
2.9822

■ 0.0000, 0.0000,
1.0855

■ 52.0676, 73.2286,
105.9980

■ 52.0676, 73.2286,
105.9980

■ 50.7404, 71.9866,
105.8283

■ 54.1046, 74.8435,
106.2024

■ 49.9526, 71.0249,
105.6841

■ 56.9463, 76.8753,
106.4448

■ 49.9521, 71.0243,
105.6840

■ 60.6790, 79.3704,
106.7296

■ 65.3765, 82.3666,
107.0604

71.1051, 85.8982,
107.4401

77.9248, 89.9961,
107.8717

85.8915, 94.6891,
108.3576

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



50.7780, 73.2286, 72.9851



52.0676, 73.2286, 105.9980



57.8194, 73.2286, 138.2936

Triad

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



52.0676, 73.2286, 105.9980



87.8233, 73.2286, 121.2243



72.0560, 73.2286, 33.7140

Complementary

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



52.0676, 73.2286, 105.9980



43.5074, 24.8382, 5.6352

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.



82.8846, 73.2286, 40.5958



52.0676, 73.2286, 105.9980



92.5823, 73.2286, 86.8855

Square

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



52.0676, 73.2286, 105.9980



78.2526, 73.2286, 148.5684



90.6868, 73.2286, 58.2110



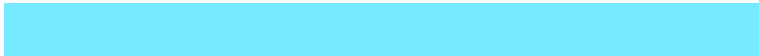
61.6129, 73.2286, 36.3247

Rectangle

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



52.0676, 73.2286, 105.9980



63.7659, 73.2286, 152.2421



90.6868, 73.2286, 58.2110



75.7829, 73.2286, 34.9184

Sweetspot

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



52.0696, 73.2312, 105.9984



75.0575, 88.2842, 107.6923



37.8852, 72.5279, 15.9812



15.5522, 18.5875, 23.0180



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.



52.0696, 73.2312, 105.9984



50.2292, 71.3889, 105.7398



29.7274, 28.5467, 98.5510



18.4741, 20.3198, 23.1984



26.1344, 37.1783, 55.2333



2.5672, 3.6650, 5.3854

Inverse Universe

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



58.9066, 30.2220, 89.1177



57.5289, 27.9527, 87.1598



54.3755, 46.5744, 9.2579



18.7520, 18.2841, 22.5769



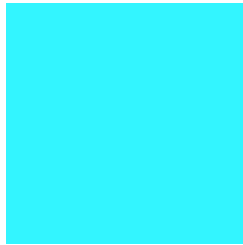
29.9796, 14.4811, 45.4046



2.9304, 1.4145, 4.4808

Previews

White Background



This preview shows how the XYZ color 52.0676, 73.2286, 105.9980 looks on a white background.

Color Contrast Check

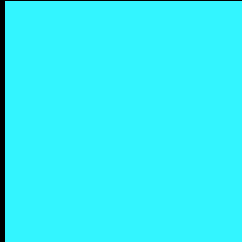
Large Text (above 18pt) WCAG AA × Fail

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 52.0676, 73.2286, 105.9980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

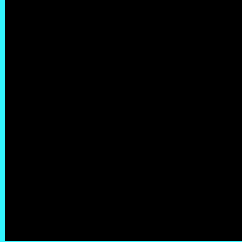
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0676, 73.2286, 105.9980

Background



This preview shows how black text looks on a background with the XYZ color 52.0676, 73.2286, 105.9980.

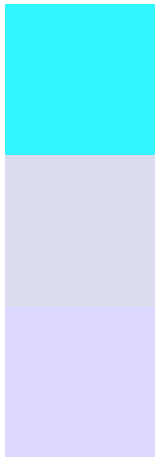


This preview shows how white text looks on a background with the XYZ color 52.0676, 73.2286,

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

52.0676, 73.2286, 105.9980

Protanopia

69.9776, 71.8962, 91.0781

Deuteranopia

72.4247, 71.7039, 104.6308



Tritanopia

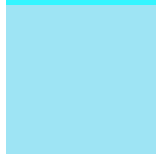
56.5243, 72.8749, 105.6949

Trichromacy



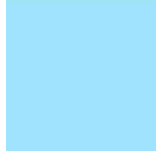
Original Color

52.0676, 73.2286, 105.9980



Protanomaly

58.1731, 69.2876, 95.8957



Deuteranomaly

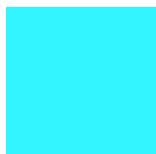
59.8172, 69.5291, 104.8755



Tritanomaly

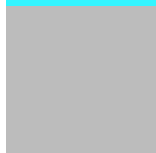
54.1214, 72.5103, 105.7511

Monochromacy



Original Color

52.0676, 73.2286, 105.9980



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.1654, 55.7577, 70.6692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0676, 73.2286, 105.9980 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(51, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 245, 255)  
}
```

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(51, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.0676, 73.2286, 105.9980 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(51, 245, 255) }
```


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

```
.border{ border-color:rgb(51, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0676, 73.2286, 105.9980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 245, 255) }
```

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

```
.background{ background-color: rgb(51, 245,  
255) }
```

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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