

Converting Colors

XYZ(52.9306, 76.1290,
106.5124)

Have a look what the booklet for
XYZ(52.9306, 76.1290, 106.5124)
contains.

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Color

**XYZ(52.8007, 75.8825,
106.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	1FFAFF
RGB	31, 250, 255
RGB Percent	12%, 98%, 100%
CMY	0.8783, 0.0196, 0.0000
CMYK	0.88, 0.02, 0.00, 0.00
HSL	181°, 100%, 56%
HSV	181°, 88%, 100%
XYZ	52.8007, 75.8825, 106.4716
YIQ	185.0890, -132.1290, -44.8730

Conversions

Conversions Part 2

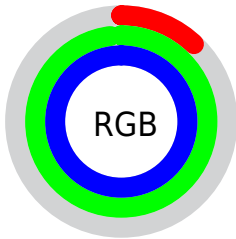
Format	Color
R _Y B	31, 142, 255
Decimal	2095871
CIE Lab	89.80, -45.03, -16.09
CIE LCh	90, 47.817, 199.664
Yxy	75.8825, 0.2245, 0.3227
Android (android.graphics.Color)	4280285951 (0xFF1FFAFF)
YUV	185.0890, 34.4661, -135.1361
Hunter-Lab	87.1106, -44.2485, -11.4903

Details

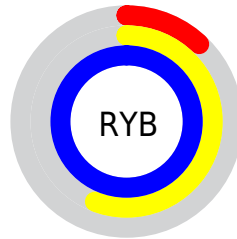
The XYZ color **52.8007, 75.8825, 106.4716** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.1195, 22.6227, 3.4453**, and the grayscale version is **46.0368, 48.4343, 52.7450**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **29.2630, 42.2171, 60.0325** is the 20% darker color. If you saturate the color by 10%, you get **52.1294, 75.2761, 106.3900**, and if you desaturate by 10%, it is **54.0746, 76.8037, 106.5823**.

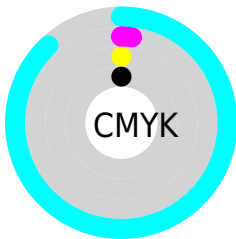
Distribution



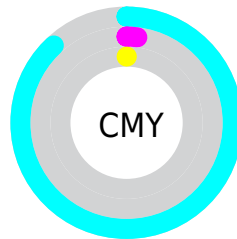
- Red (12%)
- Green (98%)
- Blue (100%)



- Red (12%)
- Yellow (56%)
- Blue (100%)



- Cyan (88%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8007, 75.8825, 106.4716 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 52.8007, 75.8825, 106.4716 by changing the saturation by 10% instead.


 52.8007, 75.8825,
106.4716


 52.8007, 75.8825,
106.4716

387.7934,
480.9454, 602.1709


 37.8705, 56.3362,
81.0692


 93.4783, 127.5608,
172.1517


 26.0590, 40.4725,
60.0673


 119.9564,
160.4616, 213.2666

 17.0007, 27.9071,
43.0472


 151.0146,
198.5826, 260.4561

 10.3303, 18.2557,
29.5905

 187.0182,
242.3082, 314.1386

 5.6824, 11.1337,
19.2786

228.3325,
292.0230, 374.7328

 2.6918, 6.1568,
11.6929

275.3229,

 0.9929, 2.9407,

348.1111, 442.6573

6.4149

328.3547,
410.9571, 518.3304

■ 0.0000, 1.1008,
3.0261

■ 0.0000, 0.0000,
1.1080

■ 52.8007, 75.8825,
106.4716

■ 52.8007, 75.8825,
106.4716

■ 52.1294, 75.2761,
106.3900

■ 54.0746, 76.8037,
106.5823

■ 52.0219, 75.1639,
106.3740

■ 56.0739, 78.0980,
106.7268

■ 58.8971, 79.8178,
106.9099

■ 62.6262, 82.0054,
107.1356

67.3329, 84.6979,
107.4072

73.0821, 87.9285,
107.7278

79.9329, 91.7277,
108.1001

87.9400, 96.1239,
108.5266

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.



52.0288, 75.8825, 71.5057



52.8007, 75.8825, 106.4716



58.4140, 75.8825, 142.7031

Triad

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



52.8007, 75.8825, 106.4716



90.8358, 75.8825, 132.2156



76.2714, 75.8825, 33.7713

Complementary

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



52.8007, 75.8825, 106.4716



42.1195, 22.6227, 3.4453

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.



87.8272, 75.8825, 42.3340



52.8007, 75.8825, 106.4716



96.8233, 75.8825, 94.8371

Square

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



52.8007, 75.8825, 106.4716



80.0306, 75.8825, 160.1502



95.6659, 75.8825, 62.6316



64.7562, 75.8825, 35.3000

Rectangle

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



52.8007, 75.8825, 106.4716



64.5238, 75.8825, 159.7455



95.6659, 75.8825, 62.6316



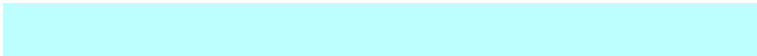
80.2988, 75.8825, 35.4480

Sweetspot

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



52.8028, 75.8852, 106.4721



74.2519, 88.5804, 107.7920



36.6260, 71.9318, 13.5258



15.4257, 18.6992, 23.0462



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.



52.8028, 75.8852, 106.4721



52.0219, 75.1639, 106.3740



27.8898, 26.0594, 98.1677



18.5181, 20.4078, 23.2130



27.1983, 39.3062, 55.5879



2.6588, 3.8483, 5.4159

Inverse Universe

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



58.9867, 29.1441, 92.9618



58.3875, 28.1190, 92.2273



51.8825, 42.1487, 6.6996



18.7742, 18.2930, 22.6938



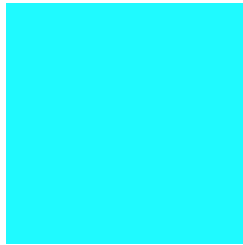
30.5166, 14.6960, 48.2326



2.9767, 1.4330, 4.7244

Previews

White Background



This preview shows how the XYZ color 52.8007, 75.8825, 106.4716 looks on a white background.

Color Contrast Check

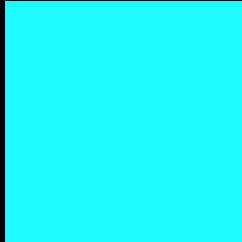
Large Text (above 18pt) WCAG AA × Fail

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 52.8007, 75.8825, 106.4716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

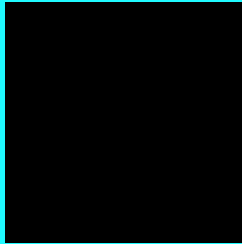
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8007, 75.8825, 106.4716

Background



This preview shows how black text looks on a background with the XYZ color 52.8007, 75.8825, 106.4716.

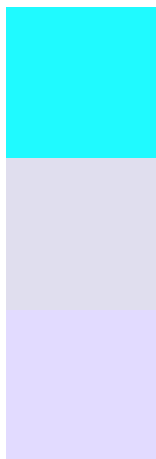


This preview shows how white text looks on a background with the XYZ color 52.8007, 75.8825,

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

52.8007, 75.8825, 106.4716

Protanopia

72.2944, 74.2629, 91.4128

Deuteranopia

74.7455, 74.0518, 104.9617



Tritanopia

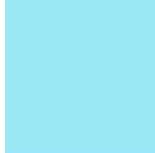
59.9865, 75.5339, 106.0256

Trichromacy



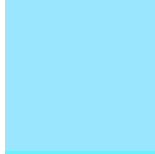
Original Color

52.8007, 75.8825, 106.4716



Protanomaly

58.5122, 71.1149, 96.2306



Deuteranomaly

59.8644, 70.7822, 105.1149



Tritanomaly

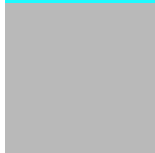
55.5463, 74.5740, 106.0744

Monochromacy



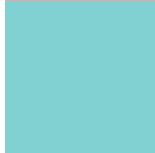
Original Color

52.8007, 75.8825, 106.4716



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.4866, 54.9212, 69.2816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8007, 75.8825, 106.4716 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(31, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 250, 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(31, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.8007, 75.8825, 106.4716 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(31, 250, 255) }
```


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

```
.border{ border-color:rgb(31, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8007, 75.8825, 106.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 250, 255) }
```

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

```
.background{ background-color: rgb(31, 250,  
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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