

Converting Colors

XYZ(50.9108, 70.9149,
105.6124)

Have a look what the booklet for
XYZ(50.9108, 70.9149, 105.6124)
contains.

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Color

**XYZ(50.8705, 70.8344,
105.5990)**

Conversions

Conversions Part 1

Format	Color
Hex	33F1FF
RGB	51, 241, 255
RGB Percent	20%, 95%, 100%
CMY	0.7999, 0.0549, 0.0000
CMYK	0.80, 0.05, 0.00, 0.00
HSL	184°, 100%, 60%
HSV	184°, 80%, 100%
XYZ	50.8705, 70.8344, 105.5990
YIQ	185.7860, -117.7340, -35.9260

Conversions

Conversions Part 2

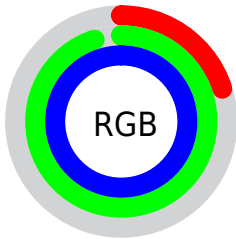
Format	Color
R_{YB}	51, 149, 255
Decimal	3404287
CIE _{Lab}	87.40, -39.75, -19.69
CIE _{LCh}	87, 44.360, 206.344
Yxy	70.8344, 0.2238, 0.3116
Android (android.graphics.Color)	4281594367 (0xFF33F1FF)
YUV	185.7860, 34.1225, -118.2073
Hunter-Lab	84.1632, -39.3953, -15.4766

Details

The XYZ color **50.8705, 70.8344, 105.5990** 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 **43.7290, 25.2814, 5.7090**, and the grayscale version is **46.4185, 48.8358, 53.1822**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **27.3335, 38.3582, 59.3893** is the 20% darker color. If you saturate the color by 10%, you get **49.4046, 69.3150, 105.3830**, and if you desaturate by 10%, it is **53.0486, 72.7313, 105.8503**.

Distribution



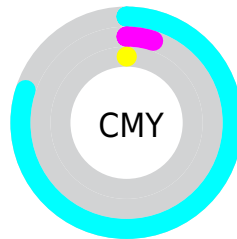
- Red (20%)
- Green (95%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8705, 70.8344, 105.5990 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 50.8705, 70.8344, 105.5990 by changing the saturation by 10% instead.


 50.8705, 70.8344,
105.5990


 50.8705, 70.8344,
105.5990


380.4564,
463.4743, 599.3976


 36.3262, 52.2071,
80.3418


 90.6475, 120.3979,
170.9492


 24.8575, 37.1702,
59.4719


 116.6108,
152.1029, 211.8793

 16.0991, 25.3393,
42.5706

 147.1112,
188.9358, 258.8707

 9.6856, 16.3300,
29.2194

 182.5140,
231.2812, 312.3421

 5.2517, 9.7580,
18.9999

223.1846,
279.5233, 372.7119

 2.4319, 5.2388,
11.4934

269.4882,

 0.8611, 2.3880,

334.0466, 440.3988

6.2814

321.7904,
395.2355, 515.8211

■ 0.0000, 0.8197,
2.9454

■ 0.0000, 0.0000,
1.0668

■ 50.8705, 70.8344,
105.5990

■ 50.8705, 70.8344,
105.5990

■ 49.4046, 69.3150,
105.3830

■ 53.0486, 72.7313,
105.8503

■ 48.4805, 68.0808,
105.1935

■ 56.0337, 75.0502,
106.1406

■ 48.4800, 68.0799,
105.1933

■ 59.9124, 77.8372,
106.4741

■ 64.7583, 81.1303,
106.8543

■ 70.6377, 84.9636,
107.2843

■ 77.6108, 89.3682,
107.7670

■ 85.7333, 94.3728,
108.3049

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

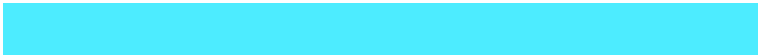
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1914, 70.8344, 73.5136



50.8705, 70.8344, 105.5990



56.7885, 70.8344, 135.6576

Triad

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



50.8705, 70.8344, 105.5990



85.4830, 70.8344, 113.6346



68.6159, 70.8344, 32.7583

Complementary

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



50.8705, 70.8344, 105.5990



43.7290, 25.2814, 5.7090

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.



79.0924, 70.8344, 38.4454



50.8705, 70.8344, 105.5990



89.4457, 70.8344, 80.8562

Square

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



50.8705, 70.8344, 105.5990



76.6463, 70.8344, 141.0773



86.9949, 70.8344, 54.2959



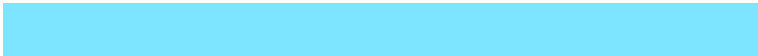
58.7936, 70.8344, 36.1834

Rectangle

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



50.8705, 70.8344, 105.5990



62.6907, 70.8344, 147.6863



86.9949, 70.8344, 54.2959



72.1843, 70.8344, 33.6192

Sweetspot

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



50.8725, 70.8369, 105.5994



74.6818, 87.5328, 107.5671



38.0692, 72.6015, 16.9500



15.4601, 18.4033, 22.9873



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.



50.8725, 70.8369, 105.5994



48.8113, 68.5530, 105.2672



28.7082, 26.5085, 98.2113



18.4419, 20.2554, 23.1876



25.3772, 35.6640, 54.9809



2.5017, 3.5340, 5.3636

Inverse Universe

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



58.3023, 29.9803, 85.9357



56.8131, 27.6664, 83.3909



55.5849, 48.9931, 9.6610



18.7357, 18.2776, 22.4913



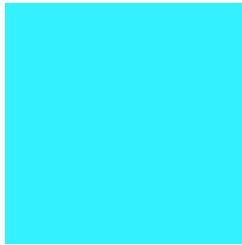
29.5974, 14.3283, 43.3921



2.8973, 1.4013, 4.3067

Previews

White Background



This preview shows how the XYZ color 50.8705, 70.8344, 105.5990 looks on a white background.

Color Contrast Check

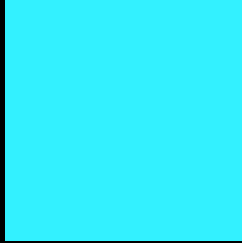
Large Text (above 18pt) WCAG AA × Fail

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 50.8705, 70.8344, 105.5990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

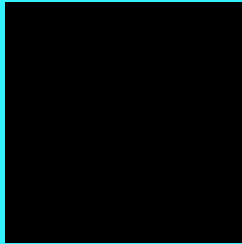
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8705, 70.8344, 105.5990

Background



This preview shows how black text looks on a background with the XYZ color 50.8705, 70.8344, 105.5990.

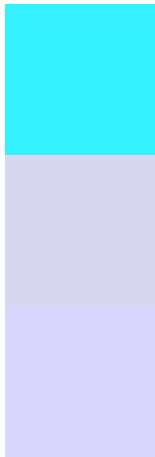


This preview shows how white text looks on a background with the XYZ color 50.8705, 70.8344,

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

50.8705, 70.8344, 105.5990

Protanopia

68.1602, 69.7908, 91.5399

Deuteranopia

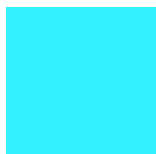
70.1632, 69.4074, 104.3067



Tritanopia

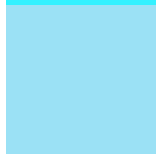
53.4484, 70.8559, 105.4673

Trichromacy



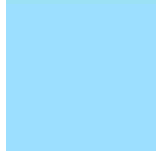
Original Color

50.8705, 70.8344, 105.5990



Protanomaly

56.9242, 67.4116, 96.3977



Deuteranomaly

58.1480, 67.0633, 104.4875



Tritanomaly

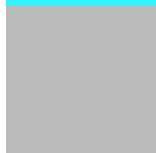
52.2248, 70.6585, 105.4937

Monochromacy



Original Color

50.8705, 70.8344, 105.5990



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.1457, 54.1641, 69.7560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8705, 70.8344, 105.5990 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 241, 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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.8705, 70.8344, 105.5990 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, 241, 255) }
```


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

```
.border{ border-color:rgb(51, 241, 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, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8705, 70.8344, 105.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 241, 255) }
```

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

```
.background{ background-color: rgb(51, 241,  
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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