

Converting Colors

XYZ(51.5572, 72.3933,
105.8637)

Have a look what the booklet for
XYZ(51.5572, 72.3933, 105.8637)
contains.

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Color

**XYZ(51.6196, 72.5497,
105.8906)**

Conversions

Conversions Part 1

Format	Color
Hex	30F4FF
RGB	48, 244, 255
RGB Percent	19%, 96%, 100%
CMY	0.8117, 0.0431, 0.0000
CMYK	0.81, 0.04, 0.00, 0.00
HSL	183°, 100%, 59%
HSV	183°, 81%, 100%
XYZ	51.6196, 72.5497, 105.8906
YIQ	186.6500, -120.3470, -38.1310

Conversions

Conversions Part 2

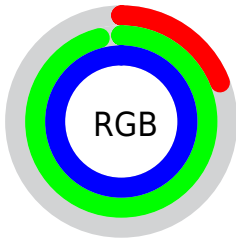
Format	Color
R_{YB}	48, 149, 255
Decimal	3208447
CIE _{Lab}	88.23, -41.34, -18.44
CIE _{LCh}	88, 45.265, 204.040
Yxy	72.5497, 0.2244, 0.3154
Android (android.graphics.Color)	4281398527 (0xFF30F4FF)
YUV	186.6500, 33.6966, -121.5960
Hunter-Lab	85.1761, -40.8812, -14.0858

Details

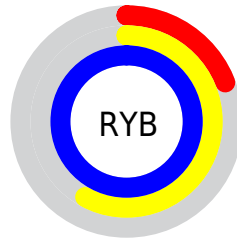
The XYZ color **51.6196, 72.5497, 105.8906** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.3388, 24.6033, 5.2632**, and the grayscale version is **46.9060, 49.3488, 53.7408**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **27.9634, 39.6179, 59.5993** is the 20% darker color. If you saturate the color by 10%, you get **50.3380, 71.2876, 105.7145**, and if you desaturate by 10%, it is **53.5981, 74.1786, 106.1007**.

Distribution



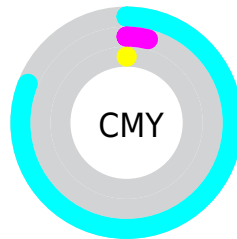
- Red (19%)
- Green (96%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6196, 72.5497, 105.8906 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 51.6196, 72.5497, 105.8906 by changing the saturation by 10% instead.

51.6196, 72.5497,
105.8906

51.6196, 72.5497,
105.8906

383.3144,
469.4527, 600.3251

36.9250, 53.6078,
80.5849

91.7475, 122.8377,
171.3512

25.3228, 38.2882,
59.6708

117.9116,
154.9527, 212.3431

16.4478, 26.2065,
42.7297

148.6295,
192.2275, 259.4007

9.9344, 16.9782,
29.3433

184.2666,
235.0465, 312.9428

5.4174, 10.2189,
19.0929

225.1883,
283.7941, 373.3877

2.5314, 5.5444,
11.5599

271.7600,

0.9111, 2.5701,

338.8548, 441.1540

6.3259

324.3469,
400.6128, 516.6603

■ 0.0000, 0.9116,
2.9723

■ 0.0000, 0.0000,
1.0805

■ 51.6196, 72.5497,
105.8906

■ 51.6196, 72.5497,
105.8906

■ 50.3380, 71.2876,
105.7145

■ 53.5981, 74.1786,
106.1007

■ 49.6393, 70.3986,
105.5798

■ 56.3709, 76.2199,
106.3486

■ 60.0258, 78.7204,
106.6386

■ 64.6379, 81.7188,
106.9743

70.2739, 85.2496,
107.3587

76.9948, 89.3442,
107.7948

84.8567, 94.0314,
108.2852

93.9118, 99.3383,
108.8323

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.



50.2347, 72.5497, 72.9567



51.6196, 72.5497, 105.8906



57.4271, 72.5497, 137.8286

Triad

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



51.6196, 72.5497, 105.8906



87.2396, 72.5497, 119.4860



71.1433, 72.5497, 33.2572

Complementary

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



51.6196, 72.5497, 105.8906



43.3388, 24.6033, 5.2632

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.



81.9337, 72.5497, 39.8603



51.6196, 72.5497, 105.8906



91.8324, 72.5497, 85.3561

Square

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



51.6196, 72.5497, 105.8906



77.8000, 72.5497, 147.0085



89.7958, 72.5497, 57.0879



60.8096, 72.5497, 36.0594

Rectangle

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



51.6196, 72.5497, 105.8906



63.3826, 72.5497, 151.4034



89.7958, 72.5497, 57.0879



74.8476, 72.5497, 34.3808

Sweetspot

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



51.6216, 72.5523, 105.8910



74.9783, 88.1258, 107.6660



37.7530, 72.4581, 16.0485



15.5327, 18.5487, 23.0115



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.



51.6216, 72.5523, 105.8910



49.8558, 70.6894, 105.6245



28.8186, 26.9462, 98.2900



18.4673, 20.3062, 23.1961



25.9735, 36.8566, 55.1797



2.5533, 3.6372, 5.3808

Inverse Universe

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



58.6274, 29.9074, 88.2733



57.3288, 27.8284, 86.2429



54.6695, 47.2647, 9.0401



18.7485, 18.2827, 22.5589



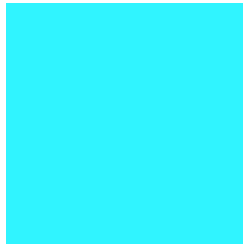
29.8984, 14.4487, 44.9770



2.9234, 1.4117, 4.4439

Previews

White Background



This preview shows how the XYZ color 51.6196, 72.5497, 105.8906 looks on a white background.

Color Contrast Check

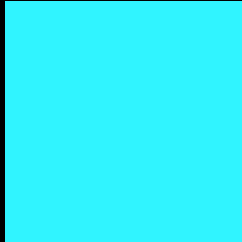
Large Text (above 18pt) WCAG AA × Fail

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 51.6196, 72.5497, 105.8906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

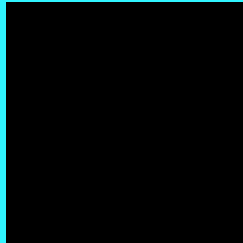
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6196, 72.5497, 105.8906

Background



This preview shows how black text looks on a background with the XYZ color 51.6196, 72.5497, 105.8906.

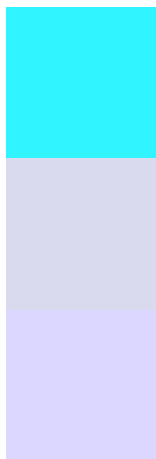


This preview shows how white text looks on a background with the XYZ color 51.6196, 72.5497,

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

51.6196, 72.5497, 105.8906

Protanopia

69.4175, 71.2213, 90.9773

Deuteranopia

71.8656, 71.0365, 104.5314



Tritanopia

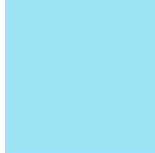
55.7266, 72.4637, 105.6575

Trichromacy



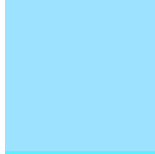
Original Color

51.6196, 72.5497, 105.8906



Protanomaly

57.5085, 68.5377, 95.7860



Deuteranomaly

59.1510, 68.7808, 104.7662



Tritanomaly

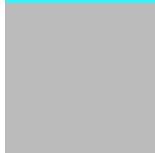
53.6251, 72.2544, 105.7279

Monochromacy



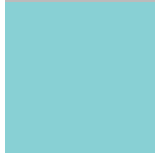
Original Color

51.6196, 72.5497, 105.8906



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.5929, 55.0995, 70.5723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6196, 72.5497, 105.8906 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(48, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 244, 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(48, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.6196, 72.5497, 105.8906 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(48, 244, 255) }
```


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

```
.border{ border-color:rgb(48, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6196, 72.5497, 105.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 244, 255) }
```

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

```
.background{ background-color: rgb(48, 244,  
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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