

Converting Colors

XYZ(51.8777, 73.4838,
106.0573)

Have a look what the booklet for
XYZ(51.8777, 73.4838, 106.0573)
contains.

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Color

**XYZ(51.9606, 73.6238,
106.0799)**

Conversions

Conversions Part 1

Format	Color
Hex	2AF6FF
RGB	42, 246, 255
RGB Percent	16%, 96%, 100%
CMY	0.8352, 0.0353, 0.0000
CMYK	0.84, 0.04, 0.00, 0.00
HSL	183°, 100%, 58%
HSV	183°, 84%, 100%
XYZ	51.9606, 73.6238, 106.0799
YIQ	186.0300, -124.4730, -40.4490

Conversions

Conversions Part 2

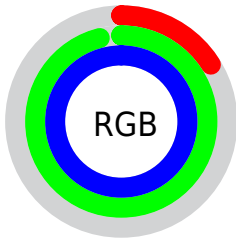
Format	Color
R _Y B	42, 146, 255
Decimal	2815743
CIE Lab	88.74, -42.65, -17.68
CIE LCh	89, 46.166, 202.511
Yxy	73.6238, 0.2243, 0.3178
Android (android.graphics.Color)	4281005823 (0xFF2AF6FF)
YUV	186.0300, 34.0022, -126.3143
Hunter-Lab	85.8043, -42.0631, -13.2372

Details

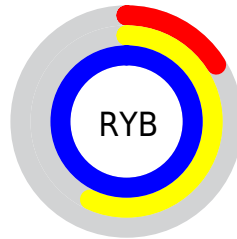
The XYZ color **51.9606, 73.6238, 106.0799** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.8430, 23.7966, 4.5277**, and the grayscale version is **46.5590, 48.9837, 53.3432**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **28.3906, 40.4724, 59.7417** is the 20% darker color. If you saturate the color by 10%, you get **50.9029, 72.5951, 105.9371**, and if you desaturate by 10%, it is **53.6862, 75.0028, 106.2552**.

Distribution



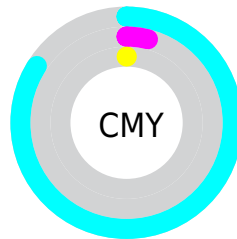
- Red (16%)
- Green (96%)
- Blue (100%)



- Red (16%)
- Yellow (57%)
- Blue (100%)



- Cyan (84%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9606, 73.6238, 106.0799 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 51.9606, 73.6238, 106.0799 by changing the saturation by 10% instead.

51.9606, 73.6238,
106.0799

51.9606, 73.6238,
106.0799

384.6109,
473.1740, 600.9268

37.1978, 54.4862,
80.7427

92.2477, 124.3624,
171.6121

25.5351, 38.9905,
59.7999

118.5027,
156.7321, 212.6440

16.6070, 26.7523,
42.8331

149.3192,
194.2814, 259.7447

10.0482, 17.3873,
29.4238

185.0625,
237.3945, 313.3326

5.4935, 10.5110,
19.1533

226.0980,
286.4560, 373.8262

2.5773, 5.7391,
11.6032

272.7910,

0.9344, 2.6871,

341.8501, 441.6440

6.3548

325.5068,
403.9613, 517.2047

■ 0.0000, 0.9706,
2.9898

■ 0.0000, 0.0000,
1.0894

■ 51.9606, 73.6238,
106.0799

■ 51.9606, 73.6238,
106.0799

■ 50.9029, 72.5951,
105.9371

■ 53.6862, 75.0028,
106.2552

■ 50.4695, 72.0590,
105.8565

■ 56.1824, 76.7803,
106.4667

■ 59.5408, 79.0050,
106.7191

■ 63.8382, 81.7167,
107.0160

69.1435, 84.9508,
107.3606

75.5186, 88.7393,
107.7559

83.0208, 93.1116,
108.2044

91.7031, 98.0952,
108.7087

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.



50.7787, 73.6238, 72.4146



51.9606, 73.6238, 106.0799



57.7086, 73.6238, 139.5086

Triad

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



51.9606, 73.6238, 106.0799



88.4295, 73.6238, 123.7038



72.8127, 73.6238, 33.3538

Complementary

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



51.9606, 73.6238, 106.0799



42.8430, 23.7966, 4.5277

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.



83.8720, 73.6238, 40.6084



51.9606, 73.6238, 106.0799



93.4913, 73.6238, 88.4470

Square

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



51.9606, 73.6238, 106.0799



78.5217, 73.6238, 151.4264



91.7404, 73.6238, 58.8550



62.0762, 73.6238, 35.7262

Rectangle

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



51.9606, 73.6238, 106.0799



63.7221, 73.6238, 154.2589



91.7404, 73.6238, 58.8550



76.6288, 73.6238, 34.6621

Sweetspot

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



51.9626, 73.6264, 106.0803



74.5057, 88.1427, 107.6941



37.2727, 72.2355, 14.8976



15.4534, 18.5737, 23.0206



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.



51.9626, 73.6264, 106.0803



50.4695, 72.0590, 105.8565



28.5915, 26.8842, 98.2900



18.4852, 20.3421, 23.2021



26.4004, 37.7103, 55.3220



2.5901, 3.7109, 5.3930

Inverse Universe

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



58.7039, 29.5716, 89.8055



57.6039, 27.8055, 88.1009



53.4815, 45.0738, 8.0739



18.7576, 18.2863, 22.6065



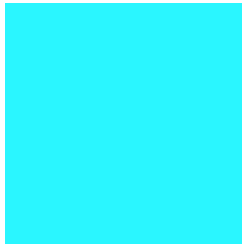
30.1139, 14.5348, 46.1116



2.9420, 1.4192, 4.5418

Previews

White Background



This preview shows how the XYZ color 51.9606, 73.6238, 106.0799 looks on a white background.

Color Contrast Check

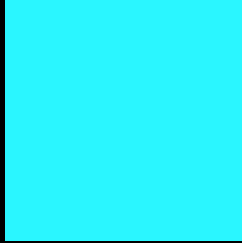
Large Text (above 18pt) WCAG AA × Fail

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 51.9606, 73.6238, 106.0799 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

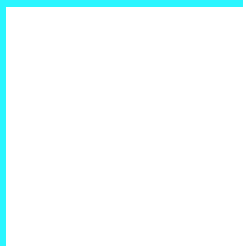
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9606, 73.6238, 106.0799

Background



This preview shows how black text looks on a background with the XYZ color 51.9606, 73.6238, 106.0799.

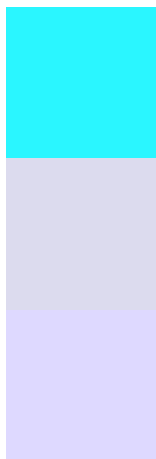


This preview shows how white text looks on a background with the XYZ color 51.9606, 73.6238,

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

51.9606, 73.6238, 106.0799

Protanopia

70.2793, 72.0517, 91.0922

Deuteranopia

72.9871, 72.3753, 104.7307



Tritanopia

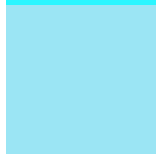
56.8017, 73.0180, 105.7079

Trichromacy



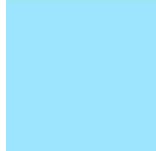
Original Color

51.9606, 73.6238, 106.0799



Protanomaly

57.8660, 69.5388, 95.9604



Deuteranomaly

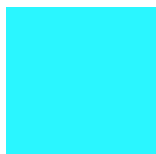
59.6980, 69.8749, 104.9485



Tritanomaly

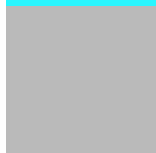
54.2158, 72.9996, 105.8406

Monochromacy



Original Color

51.9606, 73.6238, 106.0799



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.1453, 54.8832, 69.8948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9606, 73.6238, 106.0799 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(42, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 246, 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(42, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.9606, 73.6238, 106.0799 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(42, 246, 255) }
```


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

```
.border{ border-color:rgb(42, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9606, 73.6238, 106.0799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 246, 255) }
```

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

```
.background{ background-color: rgb(42, 246,  
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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