

Converting Colors

XYZ(51.6184, 73.4703,
106.0669)

Have a look what the booklet for
XYZ(51.6184, 73.4703, 106.0669)
contains.

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Color

**XYZ(51.6014, 73.4386,
106.0631)**

Conversions

Conversions Part 1

Format	Color
Hex	20F6FF
RGB	32, 246, 255
RGB Percent	13%, 96%, 100%
CMY	0.8744, 0.0353, 0.0000
CMYK	0.87, 0.04, 0.00, 0.00
HSL	182°, 100%, 56%
HSV	182°, 87%, 100%
XYZ	51.6014, 73.4386, 106.0631
YIQ	183.0400, -130.4330, -42.5690

Conversions

Conversions Part 2

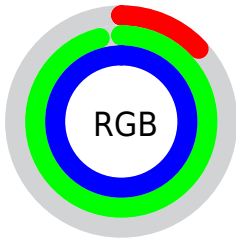
Format	Color
R _Y B	32, 141, 255
Decimal	2160383
CIE Lab	88.66, -43.21, -17.82
CIE LCh	89, 46.743, 202.405
Yxy	73.4386, 0.2233, 0.3178
Android (android.graphics.Color)	4280350463 (0xFF20F6FF)
YUV	183.0400, 35.4763, -132.4621
Hunter-Lab	85.6963, -42.4861, -13.3936

Details

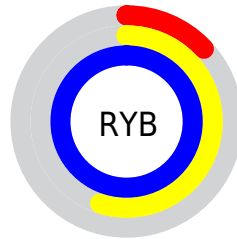
The XYZ color **51.6014, 73.4386, 106.0631** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.2950, 22.9521, 3.5696**, and the grayscale version is **44.9001, 47.2384, 51.4426**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **28.3906, 40.4724, 59.7417** is the 20% darker color. If you saturate the color by 10%, you get **50.7765, 72.5516, 105.9354**, and if you desaturate by 10%, it is **53.0384, 74.6468, 106.2206**.

Distribution



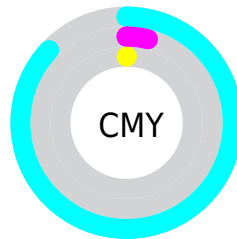
- Red (13%)
- Green (96%)
- Blue (100%)



- Red (13%)
- Yellow (55%)
- Blue (100%)



- Cyan (87%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6014, 73.4386, 106.0631 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 51.6014, 73.4386, 106.0631 by changing the saturation by 10% instead.


 51.6014, 73.4386,
106.0631


 51.6014, 73.4386,
106.0631


383.2451,
472.5335, 600.8734


 36.9104, 54.3347,
80.7287


 91.7208, 124.0997,
171.5889


 25.3115, 38.8693,
59.7885


 117.8800,
156.4256, 212.6173

 16.4393, 26.6581,
42.8240


 148.5927,
193.9276, 259.7142

 9.9283, 17.3166,
29.4166

 184.2241,
236.9902, 313.2980

 5.4134, 10.4605,
19.1479

225.1397,
285.9977, 373.7872

 2.5290, 5.7053,
11.5993

271.7049,

 0.9099, 2.6667,

341.3345, 441.6006

6.3523

324.2849,
403.3849, 517.1564

■ 0.0000, 0.9603,
2.9882

■ 0.0000, 0.0000,
1.0886

■ 51.6014, 73.4386,
106.0631

■ 51.6014, 73.4386,
106.0631

■ 50.7765, 72.5516,
105.9354

■ 53.0384, 74.6468,
106.2206

■ 50.6151, 72.3502,
105.9050

■ 55.2061, 76.2328,
106.4125

■ 58.2025, 78.2486,
106.6436

■ 62.1089, 80.7360,
106.9179

■ 66.9968, 83.7320,
107.2385

■ 72.9307, 87.2699,
107.6087

■ 79.9697, 91.3800,
108.0310

■ 88.1682, 96.0905,
108.5081

■ 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.



50.4269, 73.4386, 72.0270



51.6014, 73.4386, 106.0631



57.3829, 73.4386, 139.9972

Triad

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



51.6014, 73.4386, 106.0631



88.4436, 73.4386, 124.1802



72.7084, 73.4386, 32.8283

Complementary

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



51.6014, 73.4386, 106.0631



42.2950, 22.9521, 3.5696

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.



83.8931, 73.4386, 40.1394



51.6014, 73.4386, 106.0631



93.5935, 73.4386, 88.4597

Square

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



51.6014, 73.4386, 106.0631



78.4024, 73.4386, 152.2701



91.8443, 73.4386, 58.5384



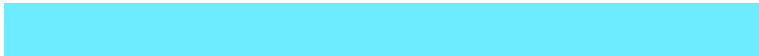
61.8533, 73.4386, 35.1720

Rectangle

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



51.6014, 73.4386, 106.0631



63.4455, 73.4386, 155.0270



91.8443, 73.4386, 58.5384



76.5678, 73.4386, 34.1504

Sweetspot

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



51.6034, 73.4412, 106.0635



73.8744, 87.8255, 107.6662



36.7305, 71.9771, 13.9169



15.3343, 18.5163, 23.0158



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.



51.6034, 73.4412, 106.0635



50.6151, 72.3502, 105.9050



27.4624, 25.1591, 98.0165



18.4883, 20.3483, 23.2031



26.4752, 37.8600, 55.3469



2.5966, 3.7238, 5.3952

Inverse Universe

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



58.3924, 28.9487, 89.7016



57.6774, 27.8349, 88.4879



52.5592, 43.4807, 6.9910



18.7591, 18.2870, 22.6148



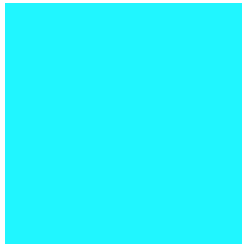
30.1517, 14.5500, 46.3106



2.9452, 1.4205, 4.5590

Previews

White Background



This preview shows how the XYZ color 51.6014, 73.4386, 106.0631 looks on a white background.

Color Contrast Check

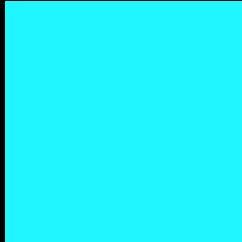
Large Text (above 18pt) WCAG AA × Fail

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 51.6014, 73.4386, 106.0631 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

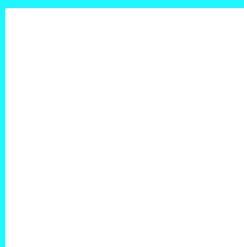
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6014, 73.4386, 106.0631

Background



This preview shows how black text looks on a background with the XYZ color 51.6014, 73.4386, 106.0631.

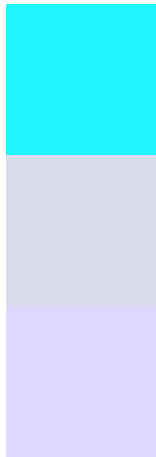


This preview shows how white text looks on a background with the XYZ color 51.6014, 73.4386,

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

51.6014, 73.4386, 106.0631

Protanopia

69.9776, 71.8962, 91.0781

Deuteranopia

72.7301, 71.8613, 104.6451



Tritanopia

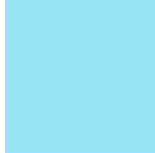
56.5243, 72.8749, 105.6949

Trichromacy



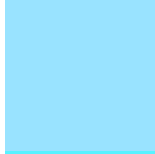
Original Color

51.6014, 73.4386, 106.0631



Protanomaly

57.1109, 69.1496, 95.9251



Deuteranomaly

58.6560, 68.9305, 104.8212



Tritanomaly

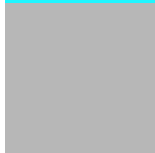
53.7326, 72.7505, 105.8180

Monochromacy



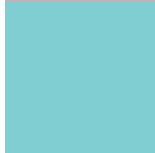
Original Color

51.6014, 73.4386, 106.0631



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.4820, 53.3353, 68.3773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6014, 73.4386, 106.0631 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(32, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(32, 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(32, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.6014, 73.4386, 106.0631 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(32, 246, 255) }
```


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

```
.border{ border-color:rgb(32, 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(32, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(32, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6014, 73.4386, 106.0631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 246, 255) }
```

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

```
.background{ background-color: rgb(32, 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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