

Converting Colors

XYZ(51.6192, 71.6076,
105.7088)

Have a look what the booklet for
XYZ(51.6192, 71.6076, 105.7088)
contains.

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Color

**XYZ(51.6656, 71.6849,
105.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	3CF2FF
RGB	60, 242, 255
RGB Percent	24%, 95%, 100%
CMY	0.7646, 0.0510, 0.0000
CMYK	0.76, 0.05, 0.00, 0.00
HSL	184°, 100%, 62%
HSV	184°, 76%, 100%
XYZ	51.6656, 71.6849, 105.7213
YIQ	189.0640, -112.6450, -34.5410

Conversions

Conversions Part 2

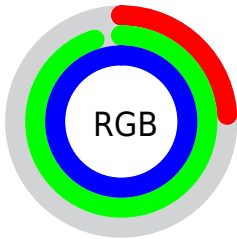
Format	Color
RYB	60, 154, 255
Decimal	3994367
CIELab	87.82, -39.43, -19.05
CIELCh	88, 43.787, 205.790
Yxy	71.6849, 0.2255, 0.3129
Android (android.graphics.Color)	4282184447 (0xFF3CF2FF)
YUV	189.0640, 32.5064, -113.1891
Hunter-Lab	84.6669, -39.2426, -14.7670

Details

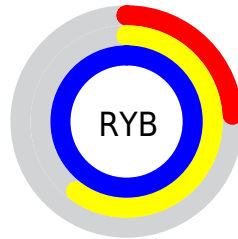
The XYZ color **51.6656, 71.6849, 105.7213** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4393, 26.3531, 7.0215**, and the grayscale version is **48.2758, 50.7899, 55.3102**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **27.5420, 38.7751, 59.4588** is the 20% darker color. If you saturate the color by 10%, you get **49.9764, 70.0681, 105.4982**, and if you desaturate by 10%, it is **54.1047, 73.6984, 105.9813**.

Distribution



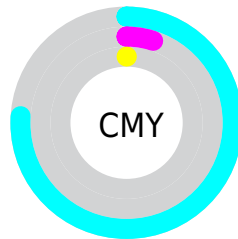
- Red (24%)
- Green (95%)
- Blue (100%)



- Red (24%)
- Yellow (60%)
- Blue (100%)



- Cyan (76%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6656, 71.6849, 105.7213 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 51.6656, 71.6849, 105.7213 by changing the saturation by 10% instead.

 51.6656, 71.6849,
105.7213


 51.6656, 71.6849,
105.7213


383.4895,
466.4441, 599.7867


 36.9618, 52.9013,
80.4437


 91.8150, 121.6084,
171.1178


 25.3514, 37.7240,
59.5553

 117.9914,
153.5172, 212.0738

 16.4692, 25.7685,
42.6373


 148.7226,
190.5698, 259.0930

 9.9497, 16.6506,
29.2714

 184.3741,
233.1506, 312.5941

 5.4277, 9.9857,
19.0389

225.3111,
281.6440, 372.9954

 2.5376, 5.3895,
11.5213

271.8991,

 0.9143, 2.4775,

336.4345, 440.7156

6.3000

324.5035,
397.9064, 516.1732

■ 0.0000, 0.8654,
2.9566

■ 0.0000, 0.0000,
1.0725

■ 51.6656, 71.6849,
105.7213

■ 51.6656, 71.6849,
105.7213

■ 49.9764, 70.0681,
105.4982

■ 54.1047, 73.6984,
105.9813

■ 48.9136, 68.7796,
105.3055

■ 57.3819, 76.1493,
106.2817

■ 48.6255, 68.3709,
105.2418

■ 61.5794, 79.0817,
106.6265

■ 66.7680, 82.5321,
107.0190

■ 73.0116, 86.5335,
107.4622

■ 80.3688, 91.1159,
107.9590

■ 88.8937, 96.3074,
108.5117

■ 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.



50.0705, 71.6849, 73.9229



51.6656, 71.6849, 105.7213



57.4966, 71.6849, 135.6533

Triad

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



51.6656, 71.6849, 105.7213



86.0495, 71.6849, 114.8901



69.6131, 71.6849, 33.7294

Complementary

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



51.6656, 71.6849, 105.7213



44.4393, 26.3531, 7.0215

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.



80.0094, 71.6849, 39.6187



51.6656, 71.6849, 105.7213



90.0914, 71.6849, 82.3335

Square

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



51.6656, 71.6849, 105.7213



77.2121, 71.6849, 141.8228



87.7764, 71.6849, 55.6891



59.7975, 71.6849, 37.0029

Rectangle

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



51.6656, 71.6849, 105.7213



63.3417, 71.6849, 147.7909



87.7764, 71.6849, 55.6891



73.1629, 71.6849, 34.6511

Sweetspot

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



51.6676, 71.6874, 105.7216



75.4316, 88.0538, 107.6282



38.7225, 72.9204, 17.7896



15.6060, 18.5081, 22.9999



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.



51.6676, 71.6874, 105.7216



49.3196, 69.3187, 105.3882



30.4665, 29.2852, 98.6546



18.4451, 20.2618, 23.1887



25.4521, 35.8137, 55.0059



2.5081, 3.5470, 5.3657

Inverse Universe

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



58.8842, 30.9043, 86.8687



57.1309, 28.0280, 84.3415



55.9219, 49.3181, 10.8490



18.7373, 18.2782, 22.4998



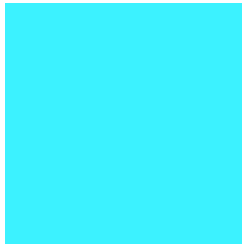
29.6352, 14.3434, 43.5910



2.9006, 1.4026, 4.3240

Previews

White Background



This preview shows how the XYZ color 51.6656, 71.6849, 105.7213 looks on a white background.

Color Contrast Check

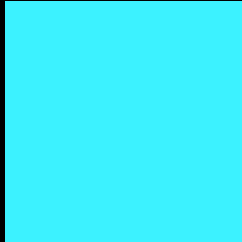
Large Text (above 18pt) WCAG AA × Fail

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 51.6656, 71.6849, 105.7213 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

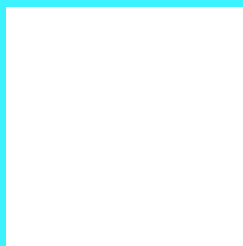
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6656, 71.6849, 105.7213

Background



This preview shows how black text looks on a background with the XYZ color 51.6656, 71.6849, 105.7213.

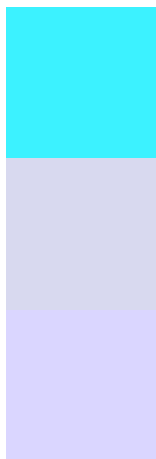


This preview shows how white text looks on a background with the XYZ color 51.6656, 71.6849,

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

51.6656, 71.6849, 105.7213

Protanopia

68.7117, 70.4566, 91.6393

Deuteranopia

71.0100, 70.2186, 104.4186



Tritanopia

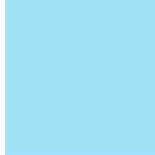
54.5684, 71.4332, 105.5197

Trichromacy



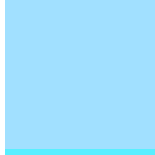
Original Color

51.6656, 71.6849, 105.7213



Protanomaly

57.9759, 68.3562, 96.5246



Deuteranomaly

59.4036, 68.1084, 104.6231



Tritanomaly

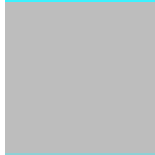
53.0363, 71.0769, 105.5316

Monochromacy



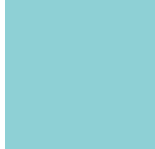
Original Color

51.6656, 71.6849, 105.7213



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.7214, 55.6666, 71.2857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6656, 71.6849, 105.7213 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(60, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(60, 242, 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(60, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.6656, 71.6849, 105.7213 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(60, 242, 255) }
```


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

```
.border{ border-color:rgb(60, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(60, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6656, 71.6849, 105.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 242, 255) }
```

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

```
.background{ background-color: rgb(60, 242,  
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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