

Converting Colors

XYZ(58.1120, 73.5756,
129.7059)

Have a look what the booklet for
XYZ(58.1120, 73.5756, 129.7059)
contains.

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Color

**XYZ(53.5245, 71.7643,
105.6386)**

Conversions

Conversions Part 1

Format	Color
Hex	5BF0FF
RGB	91, 240, 255
RGB Percent	36%, 94%, 100%
CMY	0.6431, 0.0588, 0.0000
CMYK	0.64, 0.06, 0.00, 0.00
HSL	185°, 100%, 68%
HSV	185°, 64%, 100%
XYZ	53.5245, 71.7643, 105.6386
YIQ	197.1590, -93.6190, -26.9230

Conversions

Conversions Part 2

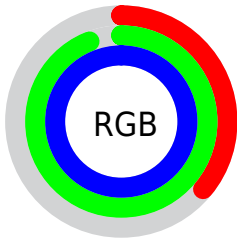
Format	Color
R_{YB}	91, 169, 255
Decimal	6025471
CIE _{Lab}	87.86, -34.75, -18.93
CIE _{LCh}	88, 39.577, 208.580
Yxy	71.7643, 0.2318, 0.3108
Android (android.graphics.Color)	4284215551 (0xFF5BF0FF)
YUV	197.1590, 28.5156, -93.1014
Hunter-Lab	84.7138, -35.4680, -14.6353

Details

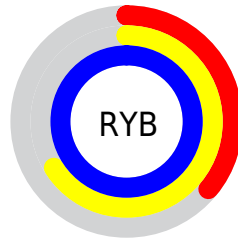
The XYZ color **53.5245, 71.7643, 105.6386** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **48.2834, 32.3249, 13.5943**, and the grayscale version is **53.0431, 55.8055, 60.7722**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **27.1265, 37.9442, 59.3203** is the 20% darker color. If you saturate the color by 10%, you get **50.7429, 69.3193, 105.3133**, and if you desaturate by 10%, it is **57.1725, 74.6722, 106.0076**.

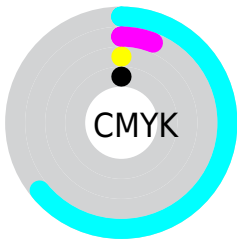
Distribution



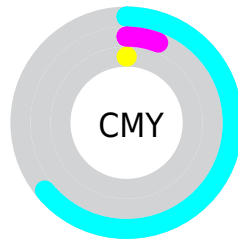
- Red (36%)
- Green (94%)
- Blue (100%)



- Red (36%)
- Yellow (66%)
- Blue (100%)



- Cyan (64%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5245, 71.7643, 105.6386 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 53.5245, 71.7643, 105.6386 by changing the saturation by 10% instead.

53.5245, 71.7643,
105.6386

53.5245, 71.7643,
105.6386

390.5222,
466.7208, 599.5236

38.4508, 52.9662,
80.3748

94.5367, 121.7214,
171.0038

26.5115, 37.7758,
59.4989

121.2059,
153.6491, 211.9423

17.3414, 25.8087,
42.5922

152.4710,
190.7221, 258.9427

10.5750, 16.6806,
29.2362

188.6974,
233.3249, 312.4237

5.8470, 10.0070,
19.0125

230.2503,
281.8417, 372.8037

2.7921, 5.4036,
11.5024

277.4952,

1.0448, 2.4860,

336.6570, 440.5014

6.2874

330.7973,
398.1553, 515.9351

■ 0.0000, 0.8696,
2.9490

■ 0.0000, 0.0000,
1.0687

■ 53.5245, 71.7643,
105.6386

■ 53.5245, 71.7643,
105.6386

■ 50.7429, 69.3193,
105.3133

■ 57.1725, 74.6722,
106.0076

■ 48.7311, 67.2827,
105.0262

■ 61.7589, 78.0754,
106.4228

■ 47.3802, 65.5997,
104.7726

■ 67.3548, 82.0122,
106.8877

■ 46.8169, 64.7537,
104.6390

■ 74.0230, 86.5150,
107.4054

■ 81.8208, 91.6135,
107.9785

■ 90.8019, 97.3353,
108.6096

■ 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.



51.6755, 71.7643, 76.8624



53.5245, 71.7643, 105.6386



59.2068, 71.7643, 131.2180

Triad

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



53.5245, 71.7643, 105.6386



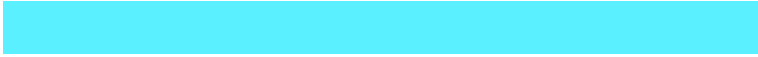
84.8424, 71.7643, 108.3805



68.6590, 71.7643, 36.9448

Complementary

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



53.5245, 71.7643, 105.6386



48.2834, 32.3249, 13.5943

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.



78.0822, 71.7643, 41.7396



53.5245, 71.7643, 105.6386



87.9411, 71.7643, 79.4299

Square

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



53.5245, 71.7643, 105.6386



77.2357, 71.7643, 133.0400



85.3619, 71.7643, 55.8812



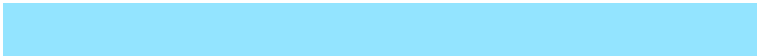
59.9160, 71.7643, 40.9001

Rectangle

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



53.5245, 71.7643, 105.6386



64.6902, 71.7643, 140.7228



85.3619, 71.7643, 55.8812



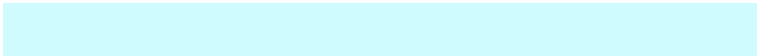
71.8549, 71.7643, 37.5611

Sweetspot

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



53.5265, 71.7669, 105.6390



78.0194, 89.1463, 107.7026



42.6085, 74.7579, 25.4614



16.2300, 18.7731, 23.0181



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.



53.5265, 71.7669, 105.6390



50.1300, 68.7332, 105.2324



34.8219, 34.3577, 99.4041



18.4045, 20.1806, 23.1752



24.5214, 33.9523, 54.6956



2.4273, 3.3854, 5.3388

Inverse Universe

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



60.7106, 35.0353, 86.0035



58.0786, 30.4691, 82.9747



60.8293, 57.4166, 17.7762



18.7168, 18.2700, 22.3919



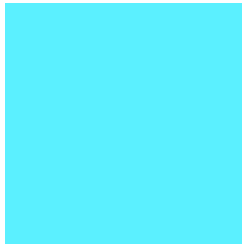
29.1654, 14.1555, 41.1173



2.8598, 1.3863, 4.1092

Previews

White Background



This preview shows how the XYZ color 53.5245, 71.7643, 105.6386 looks on a white background.

Color Contrast Check

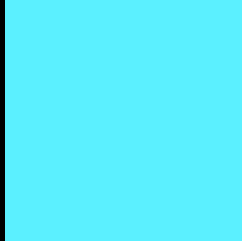
Large Text (above 18pt) WCAG AA × Fail

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 53.5245, 71.7643, 105.6386 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 53.5245, 71.7643, 105.6386

Background



This preview shows how black text looks on a background with the XYZ color 53.5245, 71.7643, 105.6386.

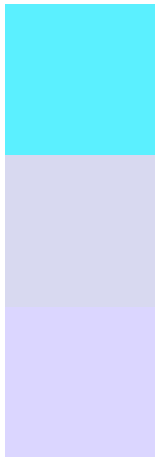


This preview shows how white text looks on a background with the XYZ color 53.5245, 71.7643,

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

53.5245, 71.7643, 105.6386

Protanopia

68.8599, 70.5159, 92.4197

Deuteranopia

71.3100, 70.3732, 104.4327



Tritanopia

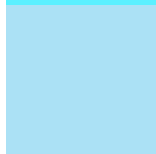
55.2736, 71.3658, 105.4695

Trichromacy



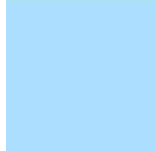
Original Color

53.5245, 71.7643, 105.6386



Protanomaly

60.2012, 69.1009, 96.5511



Deuteranomaly

61.4509, 68.7660, 104.6421



Tritanomaly

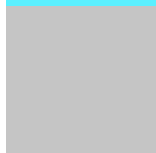
54.5684, 71.4332, 105.5197

Monochromacy



Original Color

53.5245, 71.7643, 105.6386



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.5497, 59.9196, 75.2310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5245, 71.7643, 105.6386 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(91, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 240, 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(91, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.5245, 71.7643, 105.6386 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(91, 240, 255) }
```


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

```
.border{ border-color:rgb(91, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5245, 71.7643, 105.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 240, 255) }
```

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

```
.background{ background-color: rgb(91, 240,  
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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