

Converting Colors

XYZ(59.6911, 71.7577,
152.1038)

Have a look what the booklet for
XYZ(59.6911, 71.7577, 152.1038)
contains.

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Color

**XYZ(50.7388, 68.1732,
105.0923)**

Conversions

Conversions Part 1

Format	Color
Hex	4CEBFF
RGB	76, 235, 255
RGB Percent	30%, 92%, 100%
CMY	0.7019, 0.0784, 0.0000
CMYK	0.70, 0.08, 0.00, 0.00
HSL	187°, 100%, 65%
HSV	187°, 70%, 100%
XYZ	50.7388, 68.1732, 105.0923
YIQ	189.7390, -101.1840, -27.4880

Conversions

Conversions Part 2

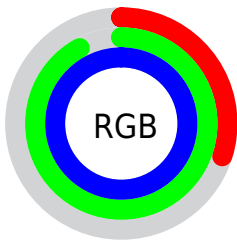
Format	Color
RYB	76, 160, 255
Decimal	5041151
CIELab	86.09, -34.45, -21.63
CIELCh	86, 40.677, 212.122
Yxy	68.1732, 0.2265, 0.3043
Android (android.graphics.Color)	4283231231 (0xFF4CEBFF)
YUV	189.7390, 32.1737, -99.7491
Hunter-Lab	82.5671, -34.8012, -17.6680

Details

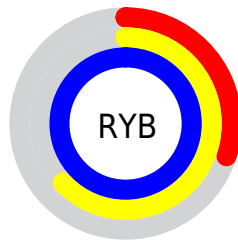
The XYZ color **50.7388, 68.1732, 105.0923** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.7284, 30.1491, 10.1960**, and the grayscale version is **48.6586, 51.1927, 55.7488**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **26.3131, 36.3174, 59.0492** is the 20% darker color. If you saturate the color by 10%, you get **48.2909, 65.7115, 104.7461**, and if you desaturate by 10%, it is **54.0058, 71.0794, 105.4810**.

Distribution



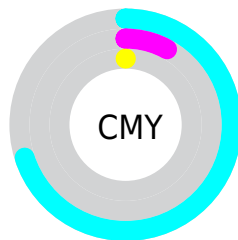
- Red (30%)
- Green (92%)
- Blue (100%)



- Red (30%)
- Yellow (63%)
- Blue (100%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7388, 68.1732, 105.0923 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 50.7388, 68.1732, 105.0923 by changing the saturation by 10% instead.

50.7388, 68.1732,
105.0923

50.7388, 68.1732,
105.0923

379.9525,
454.1094, 597.7841

36.2210, 50.0387,
79.9196

90.4538, 116.5999,
170.2504

24.7758, 35.4441,
59.1264

116.3818,
147.6608, 211.0729

16.0379, 24.0052,
42.2942

146.8438,
183.7993, 257.9491

9.6420, 15.3375,
29.0044

182.2052,
225.3998, 311.2975

5.2227, 9.0566,
18.8386

222.8315,
272.8467, 371.5367

2.4146, 4.7781,
11.3781

269.0879,

0.8524, 2.1177,

326.5243, 439.0851

6.2044

321.3398,
386.8171, 514.3615

■ 0.0000, 0.6745,
2.8990

■ 0.0000, 0.0000,
1.0433

■ 50.7388, 68.1732,
105.0923

■ 50.7388, 68.1732,
105.0923

■ 48.2909, 65.7115,
104.7461

■ 54.0058, 71.0794,
105.4810

■ 46.5552, 63.6348,
104.4368

■ 58.1709, 74.4667,
105.9153

■ 45.3857, 61.8914,
104.1619

■ 63.3102, 78.3757,
106.3990

■ 69.4898, 82.8407,
106.9351

■ 76.7703, 87.8930,
107.5266

■ 85.2073, 93.5613,
108.1760

94.8529, 99.8725,
108.8858

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.



48.4478, 68.1732, 76.1509



50.7388, 68.1732, 105.0923



56.7525, 68.1732, 129.6428

Triad

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



50.7388, 68.1732, 105.0923



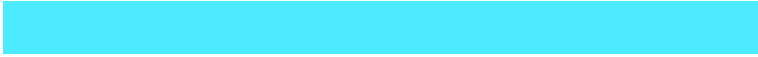
82.0132, 68.1732, 100.9855



64.1335, 68.1732, 33.7649

Complementary

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



50.7388, 68.1732, 105.0923



46.7284, 30.1491, 10.1960

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.



73.5670, 68.1732, 37.3995



50.7388, 68.1732, 105.0923



84.4628, 68.1732, 72.3397

Square

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



50.7388, 68.1732, 105.0923



74.8283, 68.1732, 126.8988



81.2371, 68.1732, 50.0904



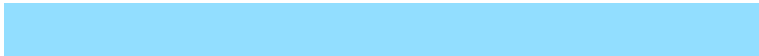
55.7040, 68.1732, 38.6191

Rectangle

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



50.7388, 68.1732, 105.0923



62.3648, 68.1732, 137.7638



81.2371, 68.1732, 50.0904



67.2908, 68.1732, 34.0320

Sweetspot

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



50.7407, 68.1756, 105.0926



76.1396, 87.4621, 107.4766



40.7577, 73.8635, 22.6774



15.8480, 18.4119, 22.9685



0.0000, 0.0000, 0.0000



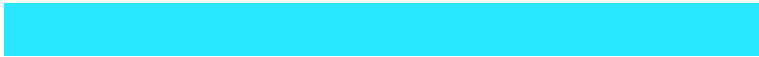
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.7407, 68.1756, 105.0926



47.5519, 64.8782, 104.6242



31.5597, 29.8135, 98.6990



18.3714, 20.1143, 23.1641



23.7845, 32.4785, 54.4500



2.3631, 3.2569, 5.3174

Inverse Universe

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



58.8211, 32.4288, 81.7591



56.4597, 28.6055, 78.1986



59.5619, 55.8160, 14.4738



18.7001, 18.2634, 22.3038



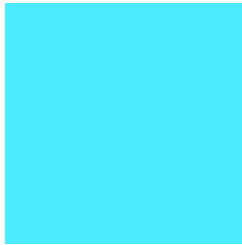
28.7935, 14.0067, 39.1585



2.8274, 1.3733, 3.9385

Previews

White Background



This preview shows how the XYZ color 50.7388, 68.1732, 105.0923 looks on a white background.

Color Contrast Check

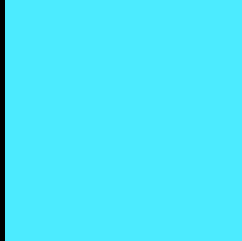
Large Text (above 18pt) WCAG AA × Fail

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 50.7388, 68.1732, 105.0923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

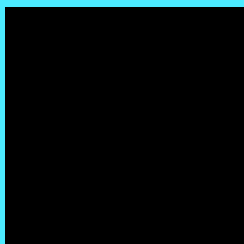
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7388, 68.1732, 105.0923

Background



This preview shows how black text looks on a background with the XYZ color 50.7388, 68.1732, 105.0923.

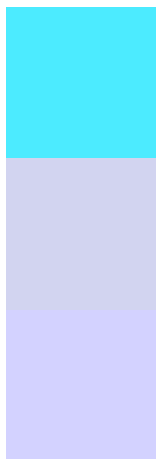


This preview shows how white text looks on a background with the XYZ color 50.7388, 68.1732,

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

50.7388, 68.1732, 105.0923

Protanopia

65.8500, 67.0799, 91.9151

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

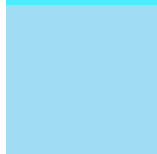
50.5782, 68.1089, 104.2465

Trichromacy



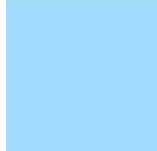
Original Color

50.7388, 68.1732, 105.0923



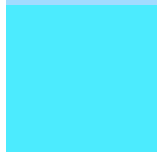
Protanomaly

56.7726, 65.3560, 96.0089



Deuteranomaly

58.2818, 65.5644, 104.1912



Tritanomaly

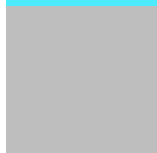
50.5782, 68.1089, 104.2465

Monochromacy



Original Color

50.7388, 68.1732, 105.0923



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.6033, 55.3872, 71.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7388, 68.1732, 105.0923 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(76, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 235, 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(76, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7388, 68.1732, 105.0923 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(76, 235, 255) }
```


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

```
.border{ border-color:rgb(76, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7388, 68.1732, 105.0923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 235, 255) }
```

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

```
.background{ background-color: rgb(76, 235,  
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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