

Converting Colors

XYZ(71.1927, 79.7838,
202.6636)

Have a look what the booklet for
XYZ(71.1927, 79.7838, 202.6636)
contains.

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Color

**XYZ(52.7038, 72.2201,
105.7698)**

Conversions

Conversions Part 1

Format	Color
Hex	4BF2FF
RGB	75, 242, 255
RGB Percent	29%, 95%, 100%
CMY	0.7058, 0.0510, 0.0000
CMYK	0.71, 0.05, 0.00, 0.00
HSL	184°, 100%, 65%
HSV	184°, 71%, 100%
XYZ	52.7038, 72.2201, 105.7698
YIQ	193.5490, -103.7050, -31.3610

Conversions

Conversions Part 2

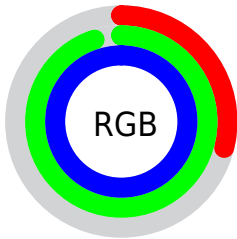
Format	Color
RYB	75, 162, 255
Decimal	4977407
CIELab	88.07, -37.82, -18.64
CIELCh	88, 42.164, 206.232
Yxy	72.2201, 0.2285, 0.3131
Android (android.graphics.Color)	4283167487 (0xFF4BF2FF)
YUV	193.5490, 30.2953, -103.9675
Hunter-Lab	84.9824, -38.0183, -14.3051

Details

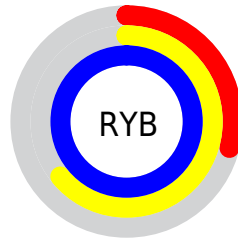
The XYZ color **52.7038, 72.2201, 105.7698** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.0009, 28.7491, 9.7835**, and the grayscale version is **50.8855, 53.5355, 58.3001**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **27.5420, 38.7751, 59.4588** is the 20% darker color. If you saturate the color by 10%, you get **50.5493, 70.3015, 105.5131**, and if you desaturate by 10%, it is **55.6664, 74.5666, 106.0666**.

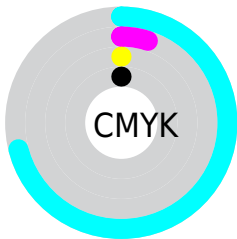
Distribution



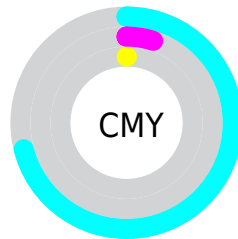
- Red (29%)
- Green (95%)
- Blue (100%)



- Red (29%)
- Yellow (64%)
- Blue (100%)



- Cyan (71%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7038, 72.2201, 105.7698 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 52.7038, 72.2201, 105.7698 by changing the saturation by 10% instead.

52.7038, 72.2201,
105.7698

52.7038, 72.2201,
105.7698

387.4272,
468.3073, 599.9410

37.7929, 53.3385,
80.4842

93.3365, 122.3694,
171.1846

25.9985, 38.0731,
59.5883

119.7889,
154.4059, 212.1509

16.9552, 26.0394,
42.6638

150.8193,
191.5961, 259.1812

10.2976, 16.8531,
29.2920

186.7930,
234.3245, 312.6940

5.6605, 10.1298,
19.0543

228.0752,
282.9754, 373.1078

2.6785, 5.4851,
11.5323

275.0314,

0.9861, 2.5346,

337.9333, 440.8412

6.3074

328.0270,
399.5824, 516.3128

■ 0.0000, 0.8939,
2.9611

■ 0.0000, 0.0000,
1.0748

■ 52.7038, 72.2201,
105.7698

■ 52.7038, 72.2201,
105.7698

■ 50.5493, 70.3015,
105.5131

■ 55.6664, 74.5666,
106.0666

■ 49.0950, 68.7504,
105.2903

■ 59.5164, 77.3773,
106.4062

■ 48.2147, 67.5495,
105.1049

■ 64.3301, 80.6930,
106.7925

■ 70.1741, 84.5481,
107.2286

■ 77.1088, 88.9738,
107.7173

■ 85.1903, 93.9990,
108.2613

94.4706, 99.6504,
108.8631

95.0500, 100.0000,
108.9000

Harmonies

Analogous

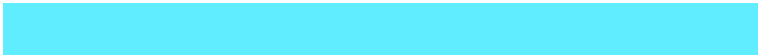
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0843, 72.2201, 75.0487



52.7038, 72.2201, 105.7698



58.4371, 72.2201, 134.3031

Triad

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



52.7038, 72.2201, 105.7698



86.0229, 72.2201, 113.6454



69.9228, 72.2201, 35.2785

Complementary

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



52.7038, 72.2201, 105.7698



46.0009, 28.7491, 9.7835

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.



79.9731, 72.2201, 40.9699



52.7038, 72.2201, 105.7698



89.8245, 72.2201, 82.3346

Square

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



52.7038, 72.2201, 105.7698



77.5586, 72.2201, 139.5753



87.5098, 72.2201, 56.5905



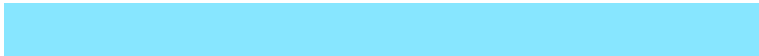
60.4383, 72.2201, 38.6563

Rectangle

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



52.7038, 72.2201, 105.7698



64.1390, 72.2201, 145.6970



87.5098, 72.2201, 56.5905



73.3532, 72.2201, 36.1487

Sweetspot

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



52.7058, 72.2227, 105.7702



76.7974, 88.7776, 107.6959



40.3834, 73.7047, 21.1173



16.0067, 18.7294, 23.0214



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.



52.7058, 72.2227, 105.7702



49.8273, 69.5744, 105.4108



32.3450, 31.5011, 98.9833



18.4360, 20.2436, 23.1857



25.2408, 35.3911, 54.9354



2.4898, 3.5104, 5.3596

Inverse Universe

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



59.7845, 32.7049, 87.1688



57.5727, 28.9149, 84.4786



58.2336, 53.2146, 13.8610



18.7327, 18.2764, 22.4756



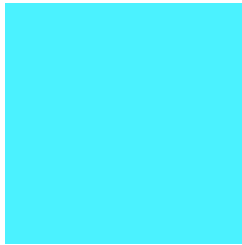
29.5286, 14.3007, 43.0294



2.8914, 1.3989, 4.2753

Previews

White Background



This preview shows how the XYZ color 52.7038, 72.2201, 105.7698 looks on a white background.

Color Contrast Check

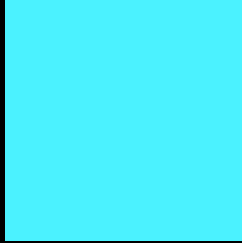
Large Text (above 18pt) WCAG AA × Fail

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 52.7038, 72.2201, 105.7698 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

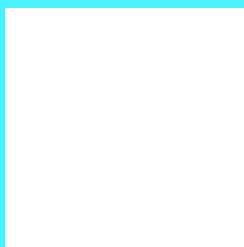
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7038, 72.2201, 105.7698

Background



This preview shows how black text looks on a background with the XYZ color 52.7038, 72.2201, 105.7698.

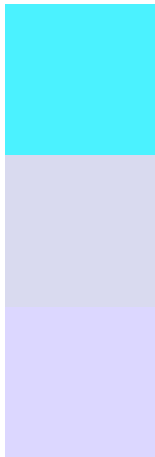


This preview shows how white text looks on a background with the XYZ color 52.7038, 72.2201,

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

52.7038, 72.2201, 105.7698

Protanopia

69.2667, 71.1265, 91.7394

Deuteranopia

71.8656, 71.0365, 104.5314



Tritanopia

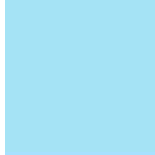
55.5640, 71.9465, 105.5663

Trichromacy



Original Color

52.7038, 72.2201, 105.7698



Protanomaly

59.4676, 69.5301, 96.6726



Deuteranomaly

60.9116, 69.2859, 104.7709



Tritanomaly

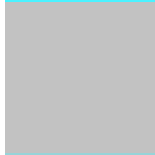
54.1720, 71.6623, 105.5848

Monochromacy



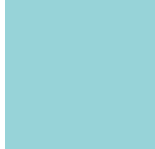
Original Color

52.7038, 72.2201, 105.7698



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.4514, 58.1257, 73.6315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7038, 72.2201, 105.7698 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(75, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.7038, 72.2201, 105.7698 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(75, 242, 255) }
```


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

```
.border{ border-color:rgb(75, 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(75, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7038, 72.2201, 105.7698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 242, 255) }
```

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

```
.background{ background-color: rgb(75, 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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