

Converting Colors

XYZ(62.6199, 76.6613,
161.7320)

Have a look what the booklet for
XYZ(62.6199, 76.6613, 161.7320)
contains.

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Color

**XYZ(51.9042, 72.2510,
105.8179)**

Conversions

Conversions Part 1

Format	Color
Hex	3BF3FF
RGB	59, 243, 255
RGB Percent	23%, 95%, 100%
CMY	0.7686, 0.0470, 0.0000
CMYK	0.77, 0.05, 0.00, 0.00
HSL	184°, 100%, 62%
HSV	184°, 77%, 100%
XYZ	51.9042, 72.2510, 105.8179
YIQ	189.3520, -113.5160, -35.2760

Conversions

Conversions Part 2

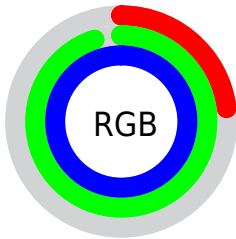
Format	Color
RYB	59, 154, 255
Decimal	3929087
CIELab	88.09, -39.97, -18.64
CIElCh	88, 44.106, 205.002
Yxy	72.2510, 0.2257, 0.3142
Android (android.graphics.Color)	4282119167 (0xFF3BF3FF)
YUV	189.3520, 32.3645, -114.3187
Hunter-Lab	85.0006, -39.7530, -14.3102

Details

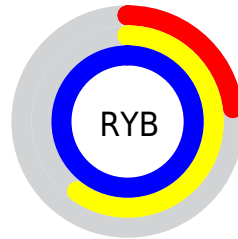
The XYZ color **51.9042, 72.2510, 105.8179** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.2838, 26.0839, 6.8404**, and the grayscale version is **48.4416, 50.9644, 55.5002**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **27.7519, 39.1950, 59.5288** is the 20% darker color. If you saturate the color by 10%, you get **50.2803, 70.7249, 105.6090**, and if you desaturate by 10%, it is **54.2732, 74.1702, 106.0635**.

Distribution



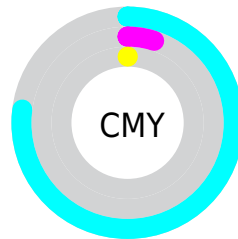
- Red (23%)
- Green (95%)
- Blue (100%)



- Red (23%)
- Yellow (60%)
- Blue (100%)



- Cyan (77%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9042, 72.2510, 105.8179 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 51.9042, 72.2510, 105.8179 by changing the saturation by 10% instead.

51.9042, 72.2510,
105.8179

51.9042, 72.2510,
105.8179

384.3967,
468.4148, 600.0939

37.1527, 53.3637,
80.5243

92.1650, 122.4133,
171.2509

25.4999, 38.0932,
59.6212

118.4050,
154.4572, 212.2274

16.5806, 26.0550,
42.6901

149.2052,
191.6553, 259.2686

10.0294, 16.8648,
29.3124

184.9310,
234.3922, 312.7931

5.4809, 10.1382,
19.0697

225.9476,
283.0522, 373.2193

2.5697, 5.4907,
11.5433

272.6206,

0.9305, 2.5379,

338.0197, 440.9658

6.3148

325.3151,
399.6791, 516.4512

■ 0.0000, 0.8956,
2.9655

■ 0.0000, 0.0000,
1.0771

■ 51.9042, 72.2510,
105.8179

■ 51.9042, 72.2510,
105.8179

■ 50.2803, 70.7249,
105.6090

■ 54.2732, 74.1702,
106.0635

■ 49.2756, 69.5223,
105.4298

■ 57.4762, 76.5238,
106.3490

■ 49.0311, 69.1823,
105.3770

■ 61.5958, 79.3557,
106.6785

■ 66.7031, 82.7029,
107.0554

■ 72.8624, 86.5982,
107.4826

■ 80.1322, 91.0720,
107.9630

■ 88.5669, 96.1524,
108.4990

■ 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.



50.4080, 72.2510, 73.7229



51.9042, 72.2510, 105.8179



57.6990, 72.2510, 136.3902

Triad

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



51.9042, 72.2510, 105.8179



86.6347, 72.2510, 116.8461



70.4521, 72.2510, 33.8795

Complementary

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



51.9042, 72.2510, 105.8179



44.2838, 26.0839, 6.8404

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.



80.9557, 72.2510, 40.0791



51.9042, 72.2510, 105.8179



90.8885, 72.2510, 83.8316

Square

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



51.9042, 72.2510, 105.8179



77.5927, 72.2510, 143.8142



88.7113, 72.2510, 56.6129



60.4634, 72.2510, 36.9411

Rectangle

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



51.9042, 72.2510, 105.8179



63.5634, 72.2510, 149.0481



88.7113, 72.2510, 56.6129



74.0481, 72.2510, 34.8905

Sweetspot

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



51.9062, 72.2536, 105.8183



75.5315, 88.2535, 107.6614



38.6330, 72.8776, 17.6307



15.6306, 18.5575, 23.0081



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.



51.9062, 72.2536, 105.8183



49.6955, 70.0705, 105.5135



30.3207, 29.0826, 98.6232



18.4540, 20.2797, 23.1917



25.6607, 36.2310, 55.0754



2.5262, 3.5831, 5.3717

Inverse Universe

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



58.9829, 30.8608, 87.6448



57.3207, 28.1039, 85.3408



55.8132, 49.1427, 10.6836



18.7418, 18.2800, 22.5236



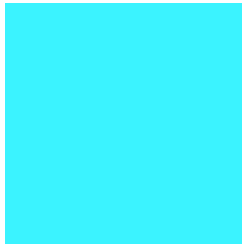
29.7405, 14.3855, 44.1457



2.9097, 1.4063, 4.3720

Previews

White Background



This preview shows how the XYZ color 51.9042, 72.2510, 105.8179 looks on a white background.

Color Contrast Check

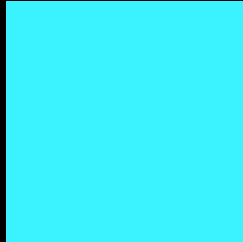
Large Text (above 18pt) WCAG AA × Fail

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 51.9042, 72.2510, 105.8179 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

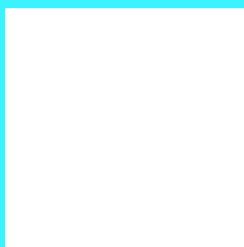
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9042, 72.2510, 105.8179

Background



This preview shows how black text looks on a background with the XYZ color 51.9042, 72.2510, 105.8179.

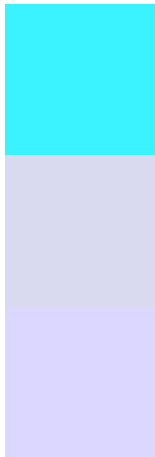


This preview shows how white text looks on a background with the XYZ color 51.9042, 72.2510,

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

51.9042, 72.2510, 105.8179

Protanopia

69.2667, 71.1265, 91.7394

Deuteranopia

71.5639, 70.8809, 104.5173



Tritanopia

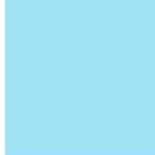
55.1801, 71.7486, 105.5483

Trichromacy



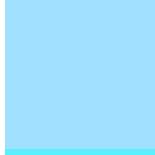
Original Color

51.9042, 72.2510, 105.8179



Protanomaly

58.4477, 69.0043, 96.6248



Deuteranomaly

59.6732, 68.6475, 104.7129



Tritanomaly

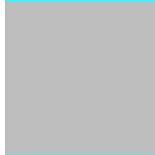
53.6237, 71.8155, 105.6433

Monochromacy



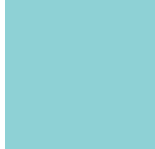
Original Color

51.9042, 72.2510, 105.8179



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.9660, 56.1558, 71.3673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9042, 72.2510, 105.8179 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(59, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 243, 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(59, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.9042, 72.2510, 105.8179 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(59, 243, 255) }
```


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

```
.border{ border-color:rgb(59, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9042, 72.2510, 105.8179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 243, 255) }
```

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

```
.background{ background-color: rgb(59, 243,  
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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