

Converting Colors

XYZ(54.9728, 73.3539,
105.8691)

Have a look what the booklet for
XYZ(54.9728, 73.3539, 105.8691)
contains.

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Color

**XYZ(54.9477, 73.3769,
105.8749)**

Conversions

Conversions Part 1

Format	Color
Hex	63F2FF
RGB	99, 242, 255
RGB Percent	39%, 95%, 100%
CMY	0.6117, 0.0510, 0.0000
CMYK	0.61, 0.05, 0.00, 0.00
HSL	185°, 100%, 69%
HSV	185°, 61%, 100%
XYZ	54.9477, 73.3769, 105.8749
YIQ	200.7250, -89.4010, -26.2730

Conversions

Conversions Part 2

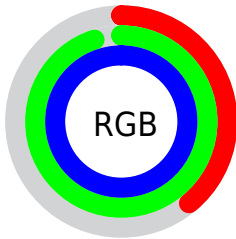
Format	Color
R_{YB}	99, 174, 255
Decimal	6550271
CIE _{Lab}	88.63, -34.45, -17.75
CIE _{LCh}	89, 38.758, 207.255
Yxy	73.3769, 0.2346, 0.3133
Android (android.graphics.Color)	4284740351 (0xFF63F2FF)
YUV	200.7250, 26.7576, -89.2128
Hunter-Lab	85.6603, -35.4049, -13.3194

Details

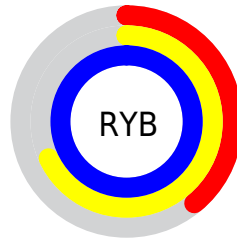
The XYZ color **54.9477, 73.3769, 105.8749** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.2872, 33.7503, 15.7231**, and the grayscale version is **55.2287, 58.1049, 63.2762**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **27.5420, 38.7751, 59.4588** is the 20% darker color. If you saturate the color by 10%, you get **51.9608, 70.9054, 105.5552**, and if you desaturate by 10%, it is **58.8251, 76.3216, 106.2389**.

Distribution



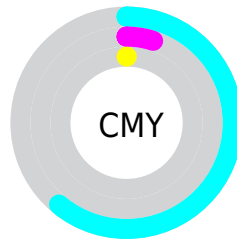
- Red (39%)
- Green (95%)
- Blue (100%)



- Red (39%)
- Yellow (68%)
- Blue (100%)



- Cyan (61%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9477, 73.3769, 105.8749 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 54.9477, 73.3769, 105.8749 by changing the saturation by 10% instead.

54.9477, 73.3769,
105.8749

54.9477, 73.3769,
105.8749

395.8533,
472.3200, 600.2752

39.5935, 54.2842,
80.5718

96.6131, 124.0121,
171.3295

27.4046, 38.8289,
59.6600

123.6550,
156.3234, 212.3181

18.0155, 26.6267,
42.7212

155.3236,
193.8097, 259.3722

11.0608, 17.2930,
29.3366

191.9841,
236.8554, 312.9104

6.1754, 10.4436,
19.0879

234.0020,
285.8449, 373.3513

2.9937, 5.6941,
11.5563

281.7426,

1.1504, 2.6600,

341.1626, 441.1134

6.3235

335.5712,
403.1928, 516.6152

■ 0.0667, 0.9569,
2.9708

■ 0.0000, 0.0000,
1.0797

■ 54.9477, 73.3769,
105.8749

■ 54.9477, 73.3769,
105.8749

■ 51.9608, 70.9054,
105.5552

■ 58.8251, 76.3216,
106.2389

■ 49.7725, 68.8549,
105.2748


■ 63.6618, 79.7702,
106.6496


■ 48.2813, 67.1745,
105.0290

■ 69.5269, 83.7598,
107.1106

■ 47.4031, 65.9262,
104.8344

■ 76.4813, 88.3221,
107.6246

 84.5810, 93.4858,
108.1944

 93.8783, 99.2780,
108.8224

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.



53.2795, 73.3769, 77.4541



54.9477, 73.3769, 105.8749



60.4616, 73.3769, 131.5075

Triad

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



54.9477, 73.3769, 105.8749



85.9860, 73.3769, 111.1123



70.6072, 73.3769, 38.7061

Complementary

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



54.9477, 73.3769, 105.8749



49.2872, 33.7503, 15.7231

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.



79.9278, 73.3769, 43.9370



54.9477, 73.3769, 105.8749



89.2892, 73.3769, 82.3865

Square

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



54.9477, 73.3769, 105.8749



78.3055, 73.3769, 134.9754



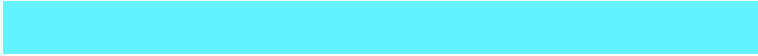
86.9799, 73.3769, 58.5559



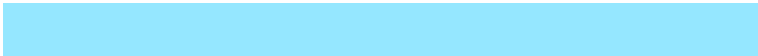
61.8277, 73.3769, 42.3024

Rectangle

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



54.9477, 73.3769, 105.8749



65.8504, 73.3769, 141.3846



86.9799, 73.3769, 58.5559



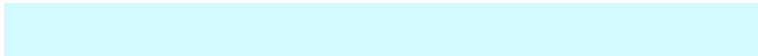
73.7851, 73.3769, 39.4571

Sweetspot

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



54.9497, 73.3796, 105.8753



78.9250, 89.8942, 107.7993



43.6888, 75.2860, 26.8123



16.4126, 18.9320, 23.0392



0.0000, 0.0000, 0.0000



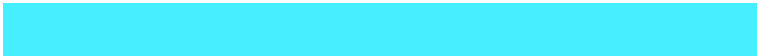
20.3446, 21.4041, 23.3091

Same Dimension

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



54.9497, 73.3796, 105.8753



51.5041, 70.5007, 105.5012



36.9429, 37.3659, 99.8730



18.4178, 20.2072, 23.1796



24.8231, 34.5558, 54.7962



2.4536, 3.4379, 5.3475

Inverse Universe

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



61.7302, 36.5962, 87.8175



59.0116, 31.7589, 85.0621



61.3486, 57.8731, 19.7436



18.7235, 18.2727, 22.4272



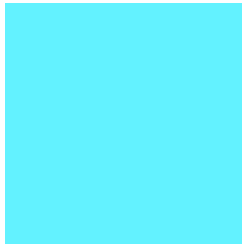
29.3178, 14.2164, 41.9193



2.8731, 1.3916, 4.1789

Previews

White Background



This preview shows how the XYZ color 54.9477, 73.3769, 105.8749 looks on a white background.

Color Contrast Check

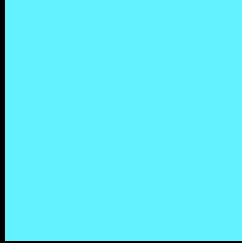
Large Text (above 18pt) WCAG AA × Fail

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 54.9477, 73.3769, 105.8749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

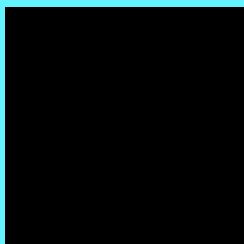
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.9477, 73.3769, 105.8749

Background



This preview shows how black text looks on a background with the XYZ color 54.9477, 73.3769, 105.8749.

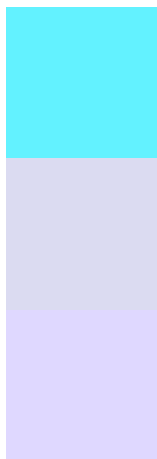


This preview shows how white text looks on a background with the XYZ color 54.9477, 73.3769,

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

54.9477, 73.3769, 105.8749

Protanopia

70.4221, 72.0740, 93.4191

Deuteranopia

73.0373, 72.0197, 104.6595



Tritanopia

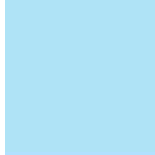
57.6778, 73.0362, 105.6652

Trichromacy



Original Color

54.9477, 73.3769, 105.8749



Protanomaly

61.7828, 70.7060, 97.5801



Deuteranomaly

63.3353, 70.5354, 104.8843



Tritanomaly

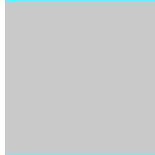
56.3877, 72.8046, 105.6885

Monochromacy



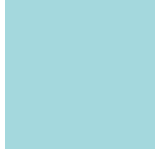
Original Color

54.9477, 73.3769, 105.8749



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.9169, 62.2247, 77.6282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9477, 73.3769, 105.8749 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(99, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.9477, 73.3769, 105.8749 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(99, 242, 255) }
```


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

```
.border{ border-color:rgb(99, 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(99, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9477, 73.3769, 105.8749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 242, 255) }
```

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

```
.background{ background-color: rgb(99, 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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