

Converting Colors

XYZ(55.8824, 71.4475,
123.5977)

Have a look what the booklet for
XYZ(55.8824, 71.4475, 123.5977)
contains.

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Color

**XYZ(52.2647, 69.8146,
105.3287)**

Conversions

Conversions Part 1

Format	Color
Hex	57EDFF
RGB	87, 237, 255
RGB Percent	34%, 93%, 100%
CMY	0.6588, 0.0706, 0.0000
CMYK	0.66, 0.07, 0.00, 0.00
HSL	186°, 100%, 67%
HSV	186°, 66%, 100%
XYZ	52.2647, 69.8146, 105.3287
YIQ	194.2020, -95.1780, -26.2020

Conversions

Conversions Part 2

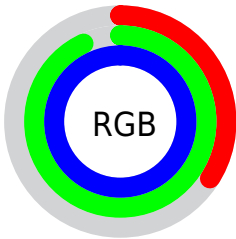
Format	Color
R _{YB}	87, 166, 255
Decimal	5762559
CIE Lab	86.91, -33.93, -20.38
CIE LCh	87, 39.576, 210.987
Yxy	69.8146, 0.2298, 0.3070
Android (android.graphics.Color)	4283952639 (0xFF57EDFF)
YUV	194.2020, 29.9734, -94.0162
Hunter-Lab	83.5551, -34.5677, -16.2517

Details

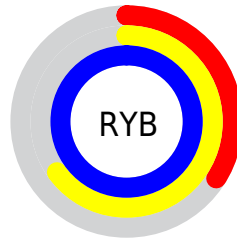
The XYZ color **52.2647, 69.8146, 105.3287** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **48.0130, 32.0529, 12.6753**, and the grayscale version is **51.2687, 53.9387, 58.7392**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **26.7169, 37.1250, 59.1838** is the 20% darker color. If you saturate the color by 10%, you get **49.5063, 67.2288, 104.9749**, and if you desaturate by 10%, it is **55.8794, 72.8627, 105.7265**.

Distribution



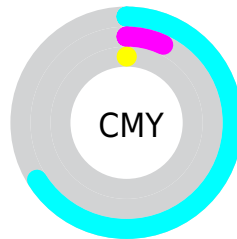
- Red (34%)
- Green (93%)
- Blue (100%)



- Red (34%)
- Yellow (65%)
- Blue (100%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2647, 69.8146, 105.3287 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 52.2647, 69.8146, 105.3287 by changing the saturation by 10% instead.

52.2647, 69.8146,
105.3287

52.2647, 69.8146,
105.3287

385.7648,
459.8988, 598.5372

37.4412, 51.3754,
80.1166

92.6934, 118.9443,
170.5765

25.7245, 36.5075,
59.2875

119.0294,
150.4036, 211.4492

16.7493, 24.8264,
42.4231

149.9335,
186.9718, 258.3792

10.1501, 15.9477,
29.1047

185.7712,
229.0332, 311.7850

5.5616, 9.4872,
18.9138

226.9079,
276.9721, 372.0852

2.6185, 5.0603,
11.4318

273.7088,

0.9554, 2.2827,

331.1731, 439.6982

6.2403

326.5393,
392.0206, 515.0427

■ 0.0000, 0.7645,
2.9206

■ 0.0000, 0.0000,
1.0542

■ 52.2647, 69.8146,
105.3287

■ 52.2647, 69.8146,
105.3287

■ 49.5063, 67.2288,
104.9749

■ 55.8794, 72.8627,
105.7265

■ 47.5052, 65.0498,
104.6598

■ 60.4243, 76.4068,
106.1710

■ 46.1478, 63.2203,
104.3782

■ 65.9716, 80.4857,
106.6660

■ 45.7060, 62.5320,
104.2687

■ 72.5849, 85.1323,
107.2143

■ 80.3226, 90.3767,
107.8187

■ 89.2386, 96.2468,
108.4819

95.0500, 100.0000,
108.9000

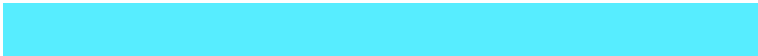
Harmonies

Analogous

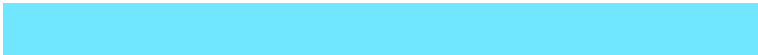
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.1346, 69.8146, 76.8960



52.2647, 69.8146, 105.3287



58.1095, 69.8146, 129.7437

Triad

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



52.2647, 69.8146, 105.3287



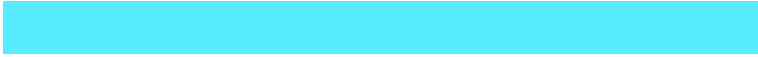
83.1332, 69.8146, 103.4533



66.0511, 69.8146, 35.6551

Complementary

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



52.2647, 69.8146, 105.3287



48.0130, 32.0529, 12.6753

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.



75.3495, 69.8146, 39.6443



52.2647, 69.8146, 105.3287



85.7474, 69.8146, 75.1432

Square

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



52.2647, 69.8146, 105.3287



75.9279, 69.8146, 128.4960



82.7781, 69.8146, 52.7191



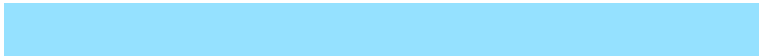
57.6257, 69.8146, 40.2149

Rectangle

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



52.2647, 69.8146, 105.3287



63.6129, 69.8146, 138.1383



82.7781, 69.8146, 52.7191



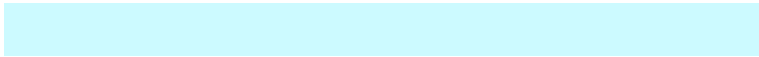
69.1783, 69.8146, 36.0310

Sweetspot

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



52.2666, 69.8171, 105.3290



76.9936, 88.1408, 107.5626



42.1805, 74.5423, 25.2110



16.0180, 18.5522, 22.9867



0.0000, 0.0000, 0.0000



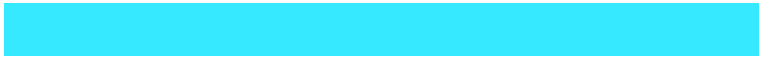
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2666, 69.8171, 105.3290



48.8049, 66.5071, 104.8726



33.5711, 32.4261, 99.0972



18.3789, 20.1293, 23.1666



23.9494, 32.8084, 54.5050



2.3775, 3.2857, 5.3222

Inverse Universe

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



59.9356, 34.1927, 83.5643



57.3062, 29.7638, 80.1295



60.9021, 57.8311, 16.9717



18.7039, 18.2649, 22.3237



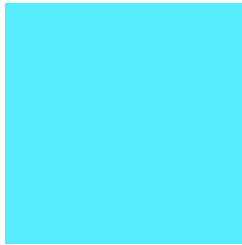
28.8768, 14.0400, 39.5970



2.8347, 1.3762, 3.9767

Previews

White Background



This preview shows how the XYZ color 52.2647, 69.8146, 105.3287 looks on a white background.

Color Contrast Check

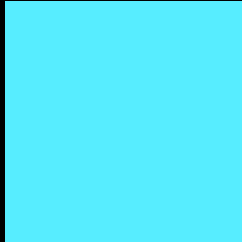
Large Text (above 18pt) WCAG AA × Fail

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 52.2647, 69.8146, 105.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

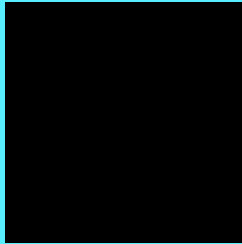
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2647, 69.8146, 105.3287

Background



This preview shows how black text looks on a background with the XYZ color 52.2647, 69.8146, 105.3287.

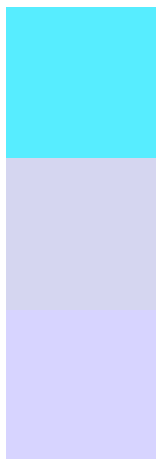


This preview shows how white text looks on a background with the XYZ color 52.2647, 69.8146,

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

52.2647, 69.8146, 105.3287

Protanopia

67.2153, 68.5305, 92.1232

Deuteranopia

69.6178, 68.7540, 104.2093



Tritanopia

52.6615, 69.5906, 105.2645

Trichromacy



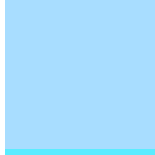
Original Color

52.2647, 69.8146, 105.3287



Protanomaly

58.5391, 67.0506, 96.2429



Deuteranomaly

60.0549, 67.2577, 104.4246



Tritanomaly

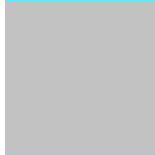
52.3598, 69.4351, 105.2504

Monochromacy



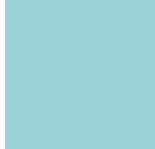
Original Color

52.2647, 69.8146, 105.3287



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.9588, 58.0196, 73.5842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2647, 69.8146, 105.3287 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(87, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 237, 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(87, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.2647, 69.8146, 105.3287 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(87, 237, 255) }
```


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

```
.border{ border-color:rgb(87, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(87, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2647, 69.8146, 105.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 237, 255) }
```

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

```
.background{ background-color: rgb(87, 237,  
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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