

Converting Colors

XYZ(69.5450, 78.9663,
171.9340)

Have a look what the booklet for
XYZ(69.5450, 78.9663, 171.9340)
contains.

XYZ(56.9765, 73.9821, 105.8847)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.9765, 73.9821,
105.8847)**

Conversions

Conversions Part 1

Format	Color
Hex	76F1FF
RGB	118, 241, 255
RGB Percent	46%, 95%, 100%
CMY	0.5372, 0.0549, 0.0000
CMYK	0.54, 0.05, 0.00, 0.00
HSL	186°, 100%, 73%
HSV	186°, 54%, 100%
XYZ	56.9765, 73.9821, 105.8847
YIQ	205.8190, -77.8020, -21.7220

Conversions

Conversions Part 2

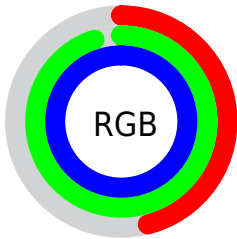
Format	Color
RYB	118, 183, 255
Decimal	7795199
CIELab	88.91, -30.63, -17.26
CIElCh	89, 35.156, 209.405
Yxy	73.9821, 0.2406, 0.3124
Android (android.graphics.Color)	4285985279 (0xFF76F1FF)
YUV	205.8190, 24.2462, -77.0173
Hunter-Lab	86.0128, -32.2808, -12.7790

Details

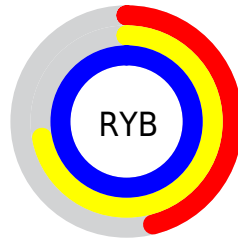
The XYZ color **56.9765, 73.9821, 105.8847** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.7621, 39.0715, 21.9023**, and the grayscale version is **58.4381, 61.4814, 66.9532**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **28.7609, 39.4035, 59.5159** is the 20% darker color. If you saturate the color by 10%, you get **53.2051, 70.9028, 105.4892**, and if you desaturate by 10%, it is **61.6988, 77.5713, 106.3286**.

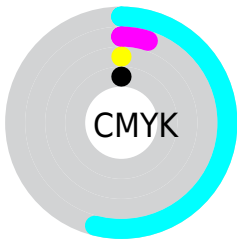
Distribution



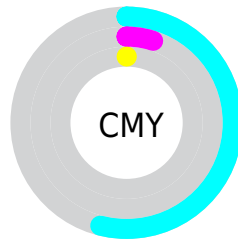
- Red (46%)
- Green (95%)
- Blue (100%)



- Red (46%)
- Yellow (72%)
- Blue (100%)



- Cyan (54%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9765, 73.9821, 105.8847 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 56.9765, 73.9821, 105.8847 by changing the saturation by 10% instead.

56.9765, 73.9821,
105.8847

56.9765, 73.9821,
105.8847

403.3769,
474.4116, 600.3064

41.2264, 54.7794,
80.5799

99.5625, 124.8704,
171.3430

28.6845, 39.2251,
59.6667

127.1291,
157.3248, 212.3337

18.9854, 26.9349,
42.7265

159.3652,
194.9653, 259.3900

11.7637, 17.5243,
29.3408

196.6363,
238.1761, 312.9306

6.6540, 10.6090,
19.0910

239.3076,
287.3418, 373.3740

3.2911, 5.8046,
11.5586

287.7446,

1.3095, 2.7266,

342.8467, 441.1387

6.3250

342.3126,
405.0751, 516.6433

■ 0.1903, 0.9907,
2.9717

■ 0.0000, 0.0000,
1.0802

■ 56.9765, 73.9821,
105.8847

■ 56.9765, 73.9821,
105.8847

■ 53.2051, 70.9028,
105.4892

■ 61.6988, 77.5713,
106.3286

■ 50.3011, 68.2854,
105.1370

■ 67.4346, 81.6977,
106.8228

■ 48.1769, 66.0862,
104.8245

■ 74.2484, 86.3964,
107.3706

■ 46.7230, 64.2487,
104.5464

■ 82.1973, 91.6968,
107.9747

■ 46.0547, 63.2294,
104.3849

■ 91.3346, 97.6265,
108.6377

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.



55.1606, 73.9821, 80.0672



56.9765, 73.9821, 105.8847



62.2967, 73.9821, 128.1241

Triad

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



56.9765, 73.9821, 105.8847



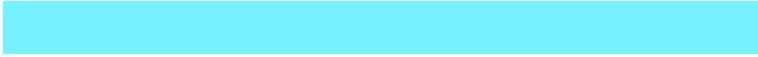
85.4002, 73.9821, 106.9016



70.4882, 73.9821, 42.1247

Complementary

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



56.9765, 73.9821, 105.8847



52.7621, 39.0715, 21.9023

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.



78.9993, 73.9821, 46.5112



56.9765, 73.9821, 105.8847



88.0245, 73.9821, 81.0426

Square

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



56.9765, 73.9821, 105.8847



78.6810, 73.9821, 128.7898



85.5942, 73.9821, 59.6242



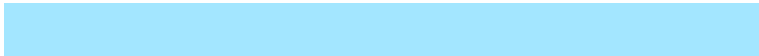
62.5692, 73.9821, 46.1738

Rectangle

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



56.9765, 73.9821, 105.8847



67.3453, 73.9821, 136.1024



85.5942, 73.9821, 59.6242



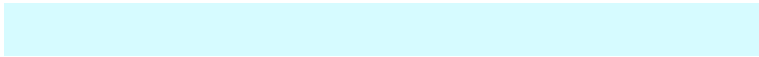
73.3764, 73.9821, 42.6450

Sweetspot

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



56.9785, 73.9848, 105.8852



80.2845, 90.4354, 107.8321



47.3769, 77.0299, 34.0957



16.8253, 19.1188, 23.0535



0.0000, 0.0000, 0.0000



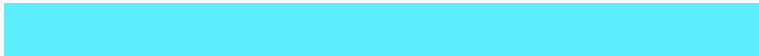
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9785, 73.9848, 105.8852



53.1133, 70.8242, 105.4788



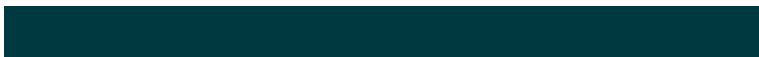
40.4282, 40.8841, 100.3684



18.3870, 20.1455, 23.1693



24.1290, 33.1675, 54.5648



2.3932, 3.3171, 5.3274

Inverse Universe

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



63.5970, 40.5696, 87.7008



60.5304, 35.0719, 84.7197



65.2117, 63.9707, 26.0522



18.7080, 18.2665, 22.3453



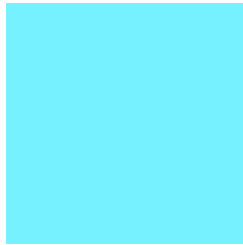
28.9674, 14.0762, 40.0743



2.8426, 1.3794, 4.0184

Previews

White Background



This preview shows how the XYZ color 56.9765, 73.9821, 105.8847 looks on a white background.

Color Contrast Check

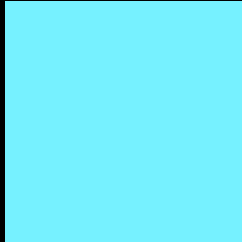
Large Text (above 18pt) WCAG AA × Fail

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 56.9765, 73.9821, 105.8847 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 56.9765, 73.9821, 105.8847

Background



This preview shows how black text looks on a background with the XYZ color 56.9765, 73.9821, 105.8847.

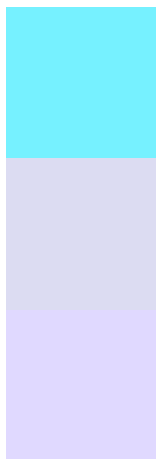


This preview shows how white text looks on a background with the XYZ color 56.9765, 73.9821,

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

56.9765, 73.9821, 105.8847

Protanopia

71.1354, 72.8128, 94.3094

Deuteranopia

73.6033, 72.6930, 104.7596



Tritanopia

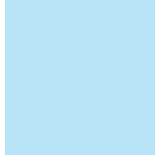
59.2720, 73.8580, 105.7398

Trichromacy



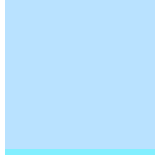
Original Color

56.9765, 73.9821, 105.8847



Protanomaly

64.0603, 72.2695, 98.5688



Deuteranomaly

65.2539, 71.9270, 105.0518



Tritanomaly

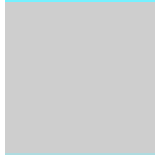
58.2766, 73.7783, 105.7769

Monochromacy



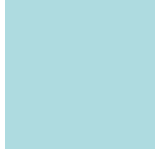
Original Color

56.9765, 73.9821, 105.8847



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.2416, 65.0435, 80.1114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9765, 73.9821, 105.8847 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(118, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 241, 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(118, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9765, 73.9821, 105.8847 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(118, 241, 255) }
```


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

```
.border{ border-color:rgb(118, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 241, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 241, 255); box-shadow:4px 4px 4px 4px rgb(118, 241, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9765, 73.9821, 105.8847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 241, 255) }
```

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

```
.background{ background-color: rgb(118,  
241, 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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