

Converting Colors

XYZ(56.1435, 73.4511,
110.9689)

Have a look what the booklet for
XYZ(56.1435, 73.4511, 110.9689)
contains.

XYZ(55.0988, 73.0142, 105.7969)	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(55.0988, 73.0142,
105.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	67F1FF
RGB	103, 241, 255
RGB Percent	40%, 95%, 100%
CMY	0.5960, 0.0549, 0.0000
CMYK	0.60, 0.05, 0.00, 0.00
HSL	186°, 100%, 70%
HSV	186°, 60%, 100%
XYZ	55.0988, 73.0142, 105.7969
YIQ	201.3340, -86.7420, -24.9020

Conversions

Conversions Part 2

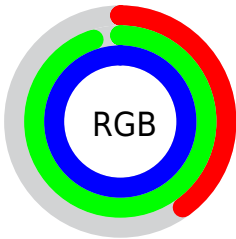
Format	Color
RYB	103, 175, 255
Decimal	6812159
CIELab	88.45, -33.33, -18.00
CIELCh	88, 37.878, 208.370
Yxy	73.0142, 0.2356, 0.3121
Android (android.graphics.Color)	4285002239 (0xFF67F1FF)
YUV	201.3340, 26.4573, -86.2389
Hunter-Lab	85.4483, -34.4342, -13.5954

Details

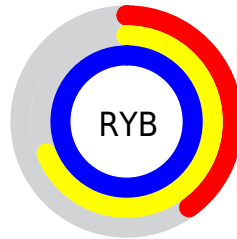
The XYZ color **55.0988, 73.0142, 105.7969** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.0503, 34.9629, 16.9445**, and the grayscale version is **55.6062, 58.5021, 63.7088**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **27.3586, 38.3711, 59.3905** is the 20% darker color. If you saturate the color by 10%, you get **51.9175, 70.3505, 105.4504**, and if you desaturate by 10%, it is **59.1846, 76.1607, 106.1889**.

Distribution



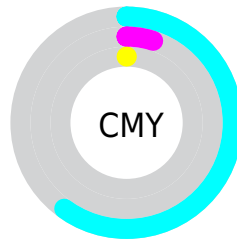
- Red (40%)
- Green (95%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0988, 73.0142, 105.7969 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 55.0988, 73.0142, 105.7969 by changing the saturation by 10% instead.

55.0988, 73.0142,
105.7969

55.0988, 73.0142,
105.7969

396.4167,
471.0640, 600.0272

39.7150, 53.9876,
80.5068

96.8332, 123.4974,
171.2220

27.4996, 38.5917,
59.6068

123.9144,
155.7227, 212.1940

18.0873, 26.4423,
42.6786

155.6256,
193.1164, 259.2305

11.1128, 17.1548,
29.3035

192.3319,
236.0628, 312.7498

6.2106, 10.3449,
19.0630

234.3989,
284.9464, 373.1706

3.0154, 5.6282,
11.5385

282.1917,

1.1619, 2.6204,

340.1516, 440.9114

6.3116

336.0759,
402.0626, 516.3907

■ 0.0760, 0.9369,
2.9636

■ 0.0000, 0.0000,
1.0761

■ 55.0988, 73.0142,
105.7969

■ 55.0988, 73.0142,
105.7969

■ 51.9175, 70.3505,
105.4504

■ 59.1846, 76.1607,
106.1889

■ 49.5506, 68.1184,
105.1443

■ 64.2425, 79.8200,
106.6286

■ 47.9003, 66.2688,
104.8743

■ 70.3402, 84.0288,
107.1196

■ 46.8099, 64.7210,
104.6330

■ 77.5378, 88.8181,
107.6647

■ 46.7712, 64.6624,
104.6237

■ 85.8909, 94.2165,
108.2664

95.0500, 100.0000,
108.9000

Harmonies

Analogous

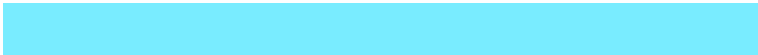
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.3206, 73.0142, 78.0816



55.0988, 73.0142, 105.7969



60.6115, 73.0142, 130.3165

Triad

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



55.0988, 73.0142, 105.7969



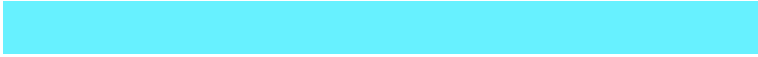
85.4051, 73.0142, 108.8154



69.8972, 73.0142, 39.1609

Complementary

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



55.0988, 73.0142, 105.7969



50.0503, 34.9629, 16.9445

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.



78.9947, 73.0142, 43.9812



55.0988, 73.0142, 105.7969



88.4197, 73.0142, 80.9355

Square

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



55.0988, 73.0142, 105.7969



78.0576, 73.0142, 132.3104



85.9785, 73.0142, 57.9674



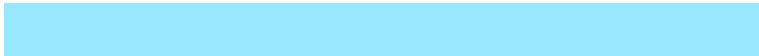
61.4034, 73.0142, 43.0265

Rectangle

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



55.0988, 73.0142, 105.7969



65.9264, 73.0142, 139.4496



85.9785, 73.0142, 57.9674



72.9890, 73.0142, 39.7939

Sweetspot

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



55.1008, 73.0168, 105.7973



78.7992, 89.6427, 107.7574



44.4878, 75.6574, 28.6822



16.3815, 18.8697, 23.0288



0.0000, 0.0000, 0.0000



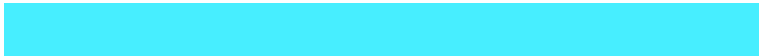
20.3446, 21.4041, 23.3091

Same Dimension

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



55.1008, 73.0168, 105.7973



51.2797, 69.7781, 105.3735



37.3421, 37.4994, 99.8777



18.4034, 20.1785, 23.1748



24.4979, 33.9053, 54.6878



2.4253, 3.3813, 5.3381

Inverse Universe

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



61.9687, 37.3131, 87.1581



58.9651, 31.9961, 84.0288



62.4658, 59.7938, 21.0830



18.7163, 18.2698, 22.3891



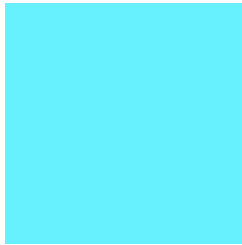
29.1536, 14.1507, 41.0548



2.8588, 1.3859, 4.1038

Previews

White Background



This preview shows how the XYZ color 55.0988, 73.0142, 105.7969 looks on a white background.

Color Contrast Check

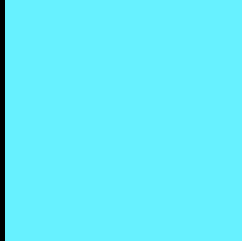
Large Text (above 18pt) WCAG AA × Fail

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 55.0988, 73.0142, 105.7969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

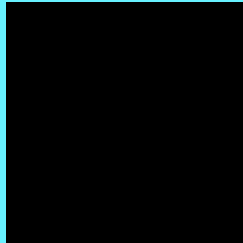
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

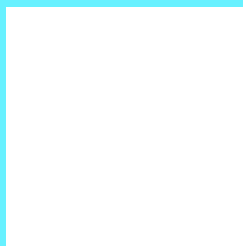
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.0988, 73.0142, 105.7969

Background



This preview shows how black text looks on a background with the XYZ color 55.0988, 73.0142, 105.7969.

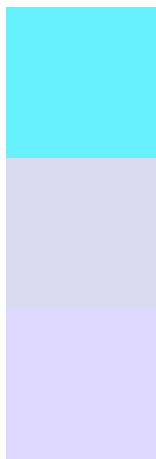


This preview shows how white text looks on a background with the XYZ color 55.0988, 73.0142,

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

55.0988, 73.0142, 105.7969

Protanopia

70.1221, 71.9193, 93.4051

Deuteranopia

72.7301, 71.8613, 104.6451



Tritanopia

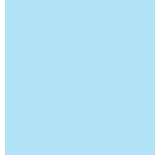
57.5266, 72.9583, 105.6581

Trichromacy



Original Color

55.0988, 73.0142, 105.7969



Protanomaly

62.0081, 70.8221, 97.5906



Deuteranomaly

63.5656, 70.6541, 104.8951



Tritanomaly

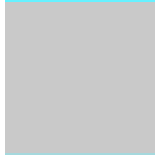
56.5243, 72.8749, 105.6949

Monochromacy



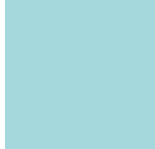
Original Color

55.0988, 73.0142, 105.7969



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

53.1241, 62.3315, 77.6379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0988, 73.0142, 105.7969 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(103, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.0988, 73.0142, 105.7969 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(103, 241, 255) }
```


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

```
.border{ border-color:rgb(103, 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(103, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0988, 73.0142, 105.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 241, 255) }
```

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

```
.background{ background-color: rgb(103,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor