

# Converting Colors

XYZ(55.3080, 73.6018,  
105.8993)

Have a look what the booklet for  
XYZ(55.3080, 73.6018, 105.8993)  
contains.

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# **Color**

**XYZ(55.2816, 73.5490,  
105.8905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66F2FF
RGB	102, 242, 255
RGB Percent	40%, 95%, 100%
CMY	0.6000, 0.0510, 0.0000
CMYK	0.60, 0.05, 0.00, 0.00
HSL	185°, 100%, 70%
HSV	185°, 60%, 100%
XYZ	55.2816, 73.5490, 105.8905
YIQ	201.6220, -87.6130, -25.6370

# Conversions

## Conversions Part 2

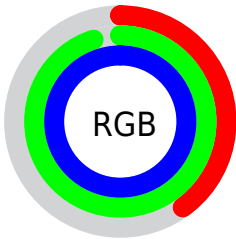
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 175, 255
Decimal	6746879
CIELab	88.71, -33.97, -17.62
CIELCh	89, 38.263, 207.416
Yxy	73.5490, 0.2355, 0.3133
Android (android.graphics.Color)	4284936959 (0xFF66F2FF)
YUV	201.6220, 26.3154, -87.3685
Hunter-Lab	85.7607, -35.0196, -13.1741

# Details

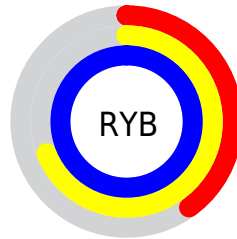
The XYZ color **55.2816, 73.5490, 105.8905** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.7699, 34.4819, 16.6050**, and the grayscale version is **55.7863, 58.6915, 63.9151**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **27.5420, 38.7751, 59.4588** is the 20% darker color. If you saturate the color by 10%, you get **52.1833, 71.0019, 105.5621**, and if you desaturate by 10%, it is **59.2801, 76.5747, 106.2638**.

# Distribution



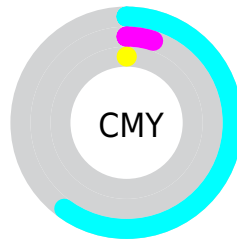
- Red (40%)
- Green (95%)
- Blue (100%)



- 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 55.2816, 73.5490, 105.8905 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 55.2816, 73.5490, 105.8905 by changing the saturation by 10% instead.



55.2816, 73.5490,  
105.8905

55.2816, 73.5490,  
105.8905

397.0976,  
472.9154, 600.3248

39.8620, 54.4250,  
80.5848

97.0993, 124.2563,  
171.3510

27.6147, 38.9415,  
59.6707

124.2281,  
156.6083, 212.3429

18.1744, 26.7142,  
42.7297

155.9907,  
194.1385, 259.4006

11.1757, 17.3587,  
29.3433

192.7524,  
237.2312, 312.9426

6.2533, 10.4906,  
19.0928

234.8786,  
286.2709, 373.3875

3.0418, 5.7254,  
11.5599

282.7346,

1.1759, 2.6789,

341.6419, 441.1538

6.3259

336.6858,  
403.7286, 516.6600

■ 0.0872, 0.9665,  
2.9723

■ 0.0000, 0.0000,  
1.0805

■ 55.2816, 73.5490,  
105.8905

■ 55.2816, 73.5490,  
105.8905

■ 52.1833, 71.0019,  
105.5621

■ 59.2801, 76.5747,  
106.2638

■ 49.8946, 68.8818,  
105.2735

■ 64.2464, 80.1092,  
106.6842

■ 48.3167, 67.1395,  
105.0204

■ 70.2489, 84.1892,  
107.1554

■ 47.2851, 65.6900,  
104.7950

■ 77.3477, 88.8458,  
107.6800

■ 47.2848, 65.6895,  
104.7949

■ 85.5985, 94.1078,  
108.2608

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

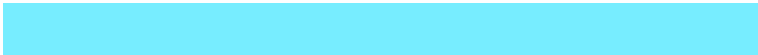
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.6066, 73.5490, 77.8089



55.2816, 73.5490, 105.8905



60.7619, 73.5490, 131.1049

# Triad

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



55.2816, 73.5490, 105.8905



85.9827, 73.5490, 110.7525



70.7106, 73.5490, 39.2253

# Complementary

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



55.2816, 73.5490, 105.8905



49.7699, 34.4819, 16.6050

# 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.



79.9246, 73.5490, 44.3839



55.2816, 73.5490, 105.8905



89.2141, 73.5490, 82.3997

# Square

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



55.2816, 73.5490, 105.8905



78.4164, 73.5490, 134.3192



86.9061, 73.5490, 58.8503



62.0350, 73.5490, 42.8531

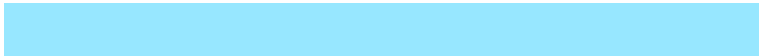


# Rectangle

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



55.2816, 73.5490, 105.8905



66.1037, 73.5490, 140.7663



86.9061, 73.5490, 58.8503



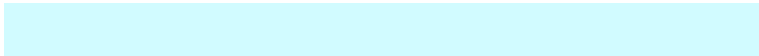
73.8516, 73.5490, 39.9576

# Sweetspot

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



55.2836, 73.5517, 105.8909



78.9015, 89.8473, 107.7915



44.3210, 75.5775, 28.3985



16.4068, 18.9204, 23.0372



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

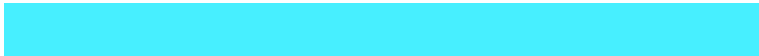


# Same Dimension

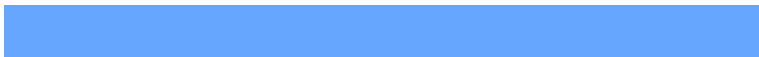
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.2836, 73.5517, 105.8909



51.6627, 70.5443, 105.5012



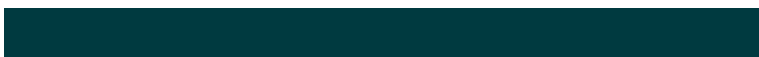
37.1221, 37.2286, 99.8370



18.4151, 20.2018, 23.1787



24.7622, 34.4340, 54.7759



2.4483, 3.4273, 5.3458



# Inverse Universe

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



62.0197, 37.1753, 87.9140



59.1585, 32.0734, 85.0471



62.3248, 59.5917, 20.7899



18.7222, 18.2722, 22.4201



29.2870, 14.2041, 41.7574

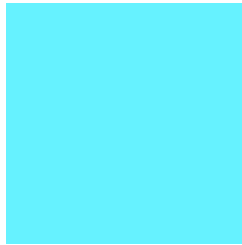


2.8704, 1.3905, 4.1649



# Previews

## White Background



This preview shows how the XYZ color 55.2816, 73.5490, 105.8905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

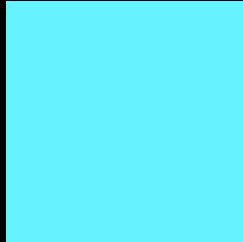
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2816, 73.5490, 105.8905 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 55.2816, 73.5490, 105.8905

## Background



This preview shows how black text looks on a background with the XYZ color 55.2816, 73.5490, 105.8905.



This preview shows how white text looks on a background with the XYZ color 55.2816, 73.5490,



# 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





## Tritanopia

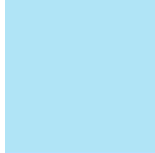
57.9846, 73.1944, 105.6796

# Trichromacy



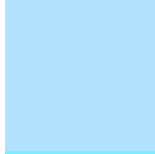
## Original Color

55.2816, 73.5490, 105.8905



## Protanomaly

62.2825, 71.3707, 97.6821



## Deuteranomaly

63.8368, 71.1964, 104.9855



## Tritanomaly

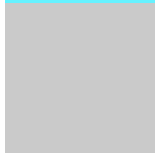
56.6622, 72.9461, 105.7013

# Monochromacy



## Original Color

55.2816, 73.5490, 105.8905



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

53.5899, 62.9532, 77.7333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2816, 73.5490, 105.8905 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(102, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2816, 73.5490, 105.8905 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(102, 242, 255) }
```



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

```
.border{ border-color:rgb(102, 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(102, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2816, 73.5490, 105.8905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 242, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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