

# Converting Colors

XYZ(53.3355, 68.3367,  
104.9870)

Have a look what the booklet for  
XYZ(53.3355, 68.3367, 104.9870)  
contains.

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# Color

**XYZ(53.3370, 68.2482,  
104.9698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EE8FF
RGB	110, 232, 255
RGB Percent	43%, 91%, 100%
CMY	0.5686, 0.0902, 0.0000
CMYK	0.57, 0.09, 0.00, 0.00
HSL	190°, 100%, 72%
HSV	190°, 57%, 100%
XYZ	53.3370, 68.2482, 104.9698
YIQ	198.1440, -80.0950, -18.7110

# Conversions

## Conversions Part 2

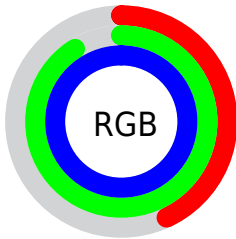
Format	Color
<b>RYB</b>	110, 176, 255
Decimal	7268607
CIELab	86.13, -27.80, -21.49
CIELCh	86, 35.139, 217.699
Yxy	68.2482, 0.2354, 0.3012
Android (android.graphics.Color)	4285458687 (0xFF6EE8FF)
YUV	198.1440, 28.0300, -77.3023
Hunter-Lab	82.6125, -29.3271, -17.5069

# Details

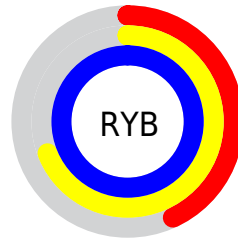
The XYZ color **53.3370, 68.2482, 104.9698** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.4429, 39.1620, 19.5489**, and the grayscale version is **53.6359, 56.4291, 61.4513**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **26.3456, 35.4512, 58.8803** is the 20% darker color. If you saturate the color by 10%, you get **49.4839, 64.5926, 104.4673**, and if you desaturate by 10%, it is **58.1327, 72.4316, 105.5245**.

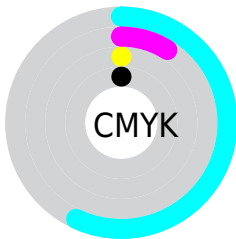
# Distribution



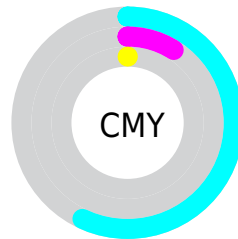
- Red (43%)
- Green (91%)
- Blue (100%)



- Red (43%)
- Yellow (69%)
- Blue (100%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3370, 68.2482, 104.9698 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 53.3370, 68.2482, 104.9698 by changing the saturation by 10% instead.



53.3370, 68.2482,  
104.9698

53.3370, 68.2482,  
104.9698

389.8164,  
454.3749, 597.3937

38.3004, 50.0997,  
79.8175

94.2627, 116.7071,  
170.0814

26.3942, 35.4926,  
59.0429

120.8825,  
147.7864, 210.8779

17.2530, 24.0426,  
42.2274

152.0941,  
183.9446, 257.7262

10.5115, 15.3652,  
28.9525

188.2629,  
225.5662, 311.0448

5.8042, 9.0761,  
18.7996

229.7541,  
273.0357, 371.2524

2.7659, 4.7909,  
11.3502

276.9332,

1.0312, 2.1251,

326.7374, 438.7673

6.1858

330.1656,  
387.0556, 514.0083

■ 0.0000, 0.6787,  
2.8878

■ 0.0000, 0.0000,  
1.0376

■ 53.3370, 68.2482,  
104.9698

■ 53.3370, 68.2482,  
104.9698

■ 49.4839, 64.5926,  
104.4673

■ 58.1327, 72.4316,  
105.5245

■ 46.4868, 61.4155,  
104.0120

■ 63.9367, 77.1724,  
106.1337

■ 44.2527, 58.6701,  
103.5998

■ 70.8150, 82.5064,  
106.8007

■ 42.6615, 56.2942,  
103.2251

■ 78.8266, 88.4644,  
107.5285

■ 42.2375, 55.5950,  
103.1125

■ 88.0259, 95.0745,  
108.3195

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.



50.6598, 68.2482, 80.4311



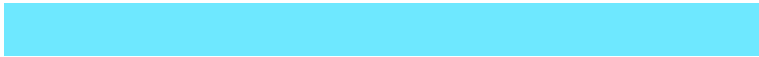
53.3370, 68.2482, 104.9698



59.1500, 68.2482, 123.5372

# Triad

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



53.3370, 68.2482, 104.9698



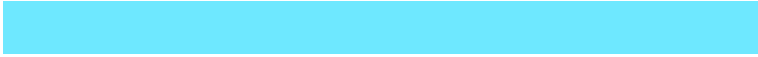
80.3271, 68.2482, 92.5032



62.8091, 68.2482, 38.3681

# Complementary

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



53.3370, 68.2482, 104.9698



52.4429, 39.1620, 19.5489

# 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.



70.9429, 68.2482, 40.2826



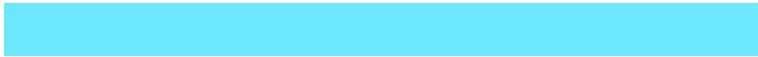
53.3370, 68.2482, 104.9698



81.5113, 68.2482, 68.5089

# Square

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



53.3370, 68.2482, 104.9698



74.8380, 68.2482, 115.3610



77.9513, 68.2482, 50.2911



55.8250, 68.2482, 44.3762

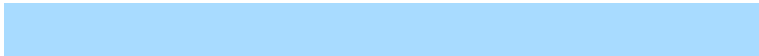


# Rectangle

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



53.3370, 68.2482, 104.9698



64.2461, 68.2482, 128.2144



77.9513, 68.2482, 50.2911



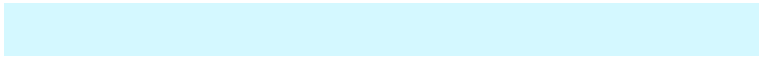
65.4936, 68.2482, 38.1336

# Sweetspot

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



53.3389, 68.2507, 104.9702



78.7063, 88.3765, 107.5178



46.3395, 76.4947, 34.0650



16.4825, 18.6494, 22.9809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

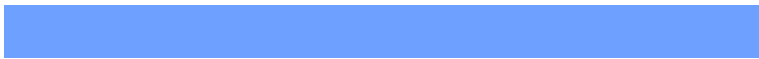
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.3389, 68.2507, 104.9702



49.1005, 64.2070, 104.4131



37.1833, 35.9395, 99.5850



18.2951, 19.9618, 23.1387



22.1619, 29.2333, 53.9091



2.2207, 2.9722, 5.2699



# Inverse Universe

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



61.3827, 38.2398, 80.4924



58.1612, 32.8080, 76.3011



65.7078, 65.6918, 23.9705



18.6616, 18.2480, 22.1011



27.9745, 13.6791, 34.8457

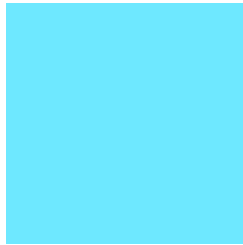


2.7555, 1.3446, 3.5600



# Previews

## White Background



This preview shows how the XYZ color 53.3370, 68.2482, 104.9698 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

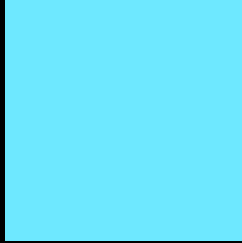
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3370, 68.2482, 104.9698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

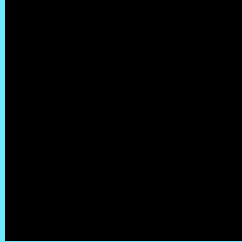
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.3370, 68.2482, 104.9698

## Background



This preview shows how black text looks on a background with the XYZ color 53.3370, 68.2482, 104.9698.



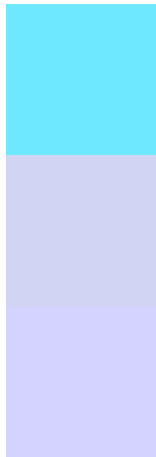
This preview shows how white text looks on a background with the XYZ color 53.3370, 68.2482,



# 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

53.3370, 68.2482, 104.9698

### Protanopia

65.8650, 67.0531, 93.4755

### Deuteranopia

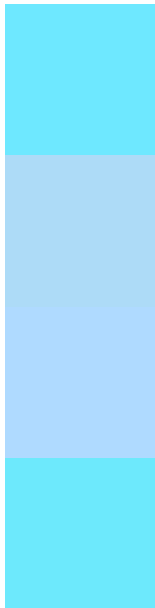
68.2480, 67.3102, 104.0029



## Tritanopia

52.8582, 68.4941, 101.7015

# Trichromacy



**Original Color**

53.3370, 68.2482, 104.9698

**Protanomaly**

59.3536, 66.2627, 97.6574

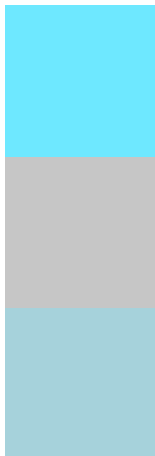
**Deuteranomaly**

60.8006, 66.4768, 104.2345

**Tritanomaly**

53.0163, 68.5573, 102.5341

# Monochromacy



**Original Color**

53.3370, 68.2482, 104.9698

**Achromatopsia**

53.6758, 56.4712, 61.4971

**Achromatomaly**

51.5587, 59.3147, 75.7493

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3370, 68.2482, 104.9698 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(110, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 232, 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(110, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3370, 68.2482, 104.9698 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(110, 232, 255) }
```



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

```
.border{ border-color:rgb(110, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3370, 68.2482, 104.9698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 232, 255) }
```

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

```
.background{ background-color: rgb(110,  
232, 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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