

Converting Colors

XYZ(63.7575, 71.8133,
160.4716)

Have a look what the booklet for
XYZ(63.7575, 71.8133, 160.4716)
contains.

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Color

**XYZ(53.3080, 67.8166,
104.8880)**

Conversions

Conversions Part 1

Format	Color
Hex	70E7FF
RGB	112, 231, 255
RGB Percent	44%, 91%, 100%
CMY	0.5608, 0.0941, 0.0000
CMYK	0.56, 0.09, 0.00, 0.00
HSL	190°, 100%, 72%
HSV	190°, 56%, 100%
XYZ	53.3080, 67.8166, 104.8880
YIQ	198.1550, -78.6280, -17.7640

Conversions

Conversions Part 2

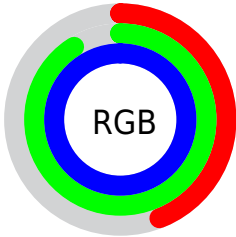
Format	Color
RYB	112, 177, 255
Decimal	7399423
CIELab	85.91, -26.95, -21.81
CIELCh	86, 34.667, 218.982
Yxy	67.8166, 0.2359, 0.3001
Android (android.graphics.Color)	4285589503 (0xFF70E7FF)
YUV	198.1550, 28.0246, -75.5579
Hunter-Lab	82.3508, -28.5659, -17.8705

Details

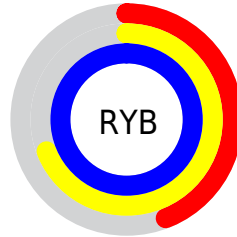
The XYZ color **53.3080, 67.8166, 104.8880** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.9696, 40.0393, 20.2678**, and the grayscale version is **53.6419, 56.4355, 61.4583**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **26.3223, 35.1492, 58.8232** is the 20% darker color. If you saturate the color by 10%, you get **49.3283, 64.0101, 104.3630**, and if you desaturate by 10%, it is **58.2392, 72.1601, 105.4665**.

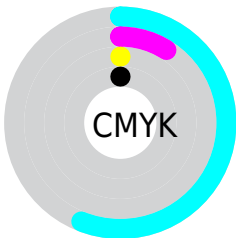
Distribution



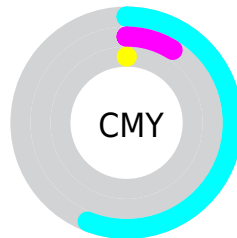
- Red (44%)
- Green (91%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3080, 67.8166, 104.8880 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 53.3080, 67.8166, 104.8880 by changing the saturation by 10% instead.

53.3080, 67.8166,
104.8880

53.3080, 67.8166,
104.8880

389.7072,
452.8459, 597.1330

38.2772, 49.7485,
79.7494

94.2203, 116.0897,
169.9686

26.3761, 35.2136,
58.9872

120.8325,
147.0636, 210.7477

17.2393, 23.8275,
42.1829

152.0358,
183.1082, 257.5773

10.5016, 15.2057,
28.9179

188.1956,
224.6079, 310.8761

5.7976, 8.9639,
18.7737

229.6773,
271.9472, 371.0624

2.7619, 4.7176,
11.3317

276.8463,

1.0291, 2.0826,

325.5103, 438.5550

6.1734

330.0678,
385.6818, 513.7724

■ 0.0000, 0.6548,
2.8803

■ 0.0000, 0.0000,
1.0339

■ 53.3080, 67.8166,
104.8880

■ 53.3080, 67.8166,
104.8880

■ 49.3283, 64.0101,
104.3630

■ 58.2392, 72.1601,
105.4665

■ 46.2145, 60.6916,
103.8866

■ 64.1870, 77.0700,
106.1007

■ 43.8749, 57.8151,
103.4547

■ 71.2171, 82.5819,
106.7941

■ 42.1931, 55.3203,
103.0618

■ 79.3881, 88.7263,
107.5494

■ 41.6453, 54.4106,
102.9151

■ 88.7542, 95.5314,
108.3693

95.0500, 100.0000,
108.9000

Harmonies

Analogous

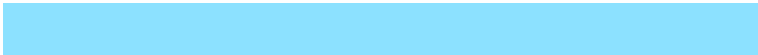
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.5288, 67.8166, 80.8768



53.3080, 67.8166, 104.8880



59.1379, 67.8166, 122.6123

Triad

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



53.3080, 67.8166, 104.8880



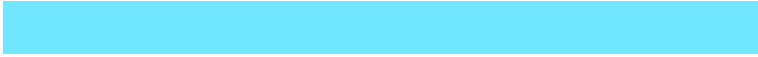
79.7779, 67.8166, 90.6508



62.1042, 67.8166, 38.5381

Complementary

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



53.3080, 67.8166, 104.8880



52.9696, 40.0393, 20.2678

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.



70.0872, 67.8166, 40.0960



53.3080, 67.8166, 104.8880



80.7363, 67.8166, 67.2251

Square

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



53.3080, 67.8166, 104.8880



74.5421, 67.8166, 113.2905



77.0627, 67.8166, 49.6182



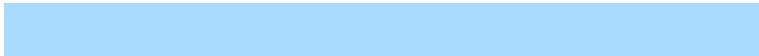
55.3263, 67.8166, 44.8114

Rectangle

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



53.3080, 67.8166, 104.8880



64.1870, 67.8166, 126.7250



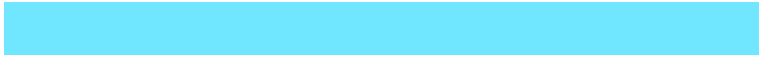
77.0627, 67.8166, 49.6182



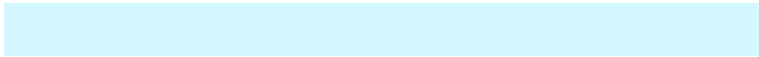
64.7290, 67.8166, 38.1962

Sweetspot

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



53.3099, 67.8191, 104.8884



78.5836, 88.1310, 107.4769



46.8755, 76.7382, 35.5740



16.4533, 18.5909, 22.9712



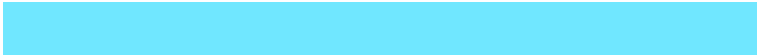
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



53.3099, 67.8191, 104.8884



49.0055, 63.6835, 104.3170



37.2469, 35.6930, 99.5341



18.2802, 19.9319, 23.1337



21.8564, 28.6224, 53.8073



2.1938, 2.9183, 5.2609

Inverse Universe

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



61.4592, 38.6196, 79.8191



58.1946, 33.1330, 75.5164



66.5592, 67.2185, 24.7977



18.6541, 18.2449, 22.0614



27.8203, 13.6174, 34.0338



2.7419, 1.3391, 3.4884

Previews

White Background



This preview shows how the XYZ color 53.3080, 67.8166, 104.8880 looks on a white background.

Color Contrast Check

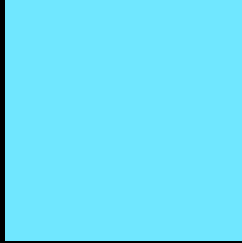
Large Text (above 18pt) WCAG AA × Fail

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 53.3080, 67.8166, 104.8880 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 53.3080, 67.8166, 104.8880

Background



This preview shows how black text looks on a background with the XYZ color 53.3080, 67.8166, 104.8880.

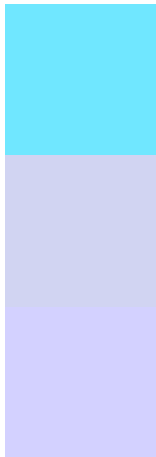


This preview shows how white text looks on a background with the XYZ color 53.3080, 67.8166,

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

53.3080, 67.8166, 104.8880

Protanopia

65.8650, 67.0531, 93.4755

Deuteranopia

67.7144, 66.6698, 103.9074



Tritanopia

52.5423, 67.9303, 100.7851

Trichromacy



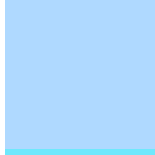
Original Color

53.3080, 67.8166, 104.8880



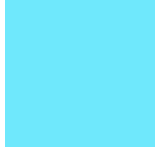
Protanomaly

59.5756, 66.3771, 97.6678



Deuteranomaly

60.5421, 65.9597, 104.1483



Tritanomaly

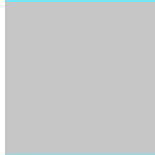
52.9828, 68.1210, 102.4516

Monochromacy



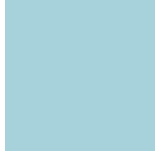
Original Color

53.3080, 67.8166, 104.8880



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.7691, 59.4231, 75.7591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3080, 67.8166, 104.8880 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(112, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 231, 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(112, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.3080, 67.8166, 104.8880 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(112, 231, 255) }
```


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

```
.border{ border-color:rgb(112, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3080, 67.8166, 104.8880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 231, 255) }
```

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

```
.background{ background-color: rgb(112,  
231, 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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