

Converting Colors

XYZ(53.1283, 66.0813,
104.5625)

Have a look what the booklet for
XYZ(53.1283, 66.0813, 104.5625)
contains.

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Color

**XYZ(53.1268, 66.0801,
104.5624)**

Conversions

Conversions Part 1

Format	Color
Hex	77E3FF
RGB	119, 227, 255
RGB Percent	47%, 89%, 100%
CMY	0.5333, 0.1098, 0.0000
CMYK	0.53, 0.11, 0.00, 0.00
HSL	192°, 100%, 73%
HSV	192°, 53%, 100%
XYZ	53.1268, 66.0801, 104.5624
YIQ	197.9000, -73.3560, -14.1880

Conversions

Conversions Part 2

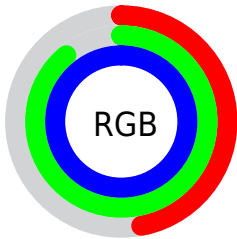
Format	Color
R_{YB}	119, 179, 255
Decimal	7857151
CIE _{Lab}	85.04, -23.63, -23.12
CIE _{LCh}	85, 33.060, 224.366
Yxy	66.0801, 0.2374, 0.2953
Android (android.graphics.Color)	4286047231 (0xFF77E3FF)
YUV	197.9000, 28.1503, -69.1953
Hunter-Lab	81.2897, -25.5984, -19.3616

Details

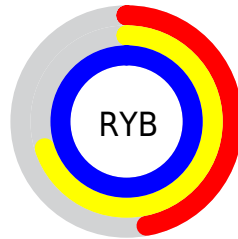
The XYZ color **53.1268, 66.0801, 104.5624** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **55.0043, 43.4603, 22.9444**, and the grayscale version is **53.4840, 56.2693, 61.2773**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **26.1721, 33.9331, 58.5964** is the 20% darker color. If you saturate the color by 10%, you get **48.6716, 61.6856, 103.9490**, and if you desaturate by 10%, it is **58.5681, 71.0508, 105.2351**.

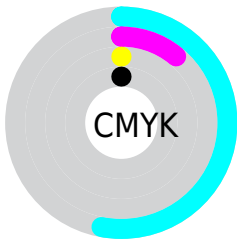
Distribution



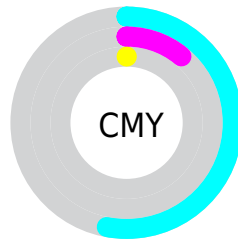
- Red (47%)
- Green (89%)
- Blue (100%)



- Red (47%)
- Yellow (70%)
- Blue (100%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1268, 66.0801, 104.5624 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 53.1268, 66.0801, 104.5624 by changing the saturation by 10% instead.

■ 53.1268, 66.0801,
104.5624

■ 53.1268, 66.0801,
104.5624

389.0243,
446.6633, 596.0944

■ 38.1319, 48.3374,
79.4782

■ 93.9554, 113.6013,
169.5193

■ 26.2627, 34.0942,
58.7654

■ 120.5197,
144.1486, 210.2291

■ 17.1540, 22.9660,
42.0055

■ 151.6713,
179.7329, 256.9845

■ 10.4403, 14.5684,
28.7800

187.7754,
220.7386, 310.2040

■ 5.7564, 8.5170,
18.6703

229.1973,
267.5501, 370.3062

■ 2.7368, 4.4275,
11.2579

276.3026,

■ 1.0161, 1.9155,

320.5518, 437.7097

6.1242

329.4565,
380.1281, 512.8329

■ 0.0000, 0.5577,
2.8508

■ 0.0000, 0.0000,
1.0189

■ 53.1268, 66.0801,
104.5624

■ 53.1268, 66.0801,
104.5624

■ 48.6716, 61.6856,
103.9490

■ 58.5681, 71.0508,
105.2351

■ 45.1196, 57.8198,
103.3900

■ 65.0588, 76.6266,
105.9692

■ 42.3833, 54.4382,
102.8815

■ 72.6632, 82.8427,
106.7682

■ 40.3539, 51.4844,
102.4183

■ 81.4387, 89.7291,
107.6349

■ 39.2890, 49.6981,
102.1297

■ 91.4386, 97.3139,
108.5719

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.



49.9451, 66.0801, 82.5998



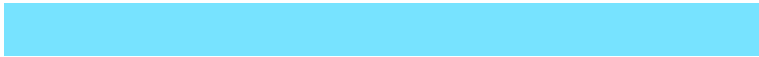
53.1268, 66.0801, 104.5624



59.0309, 66.0801, 119.0465

Triad

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



53.1268, 66.0801, 104.5624



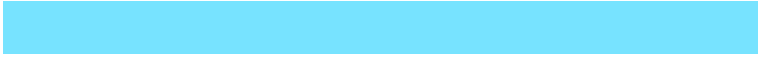
77.6127, 66.0801, 83.5635



59.3247, 66.0801, 39.1157

Complementary

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



53.1268, 66.0801, 104.5624



55.0043, 43.4603, 22.9444

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.



66.7411, 66.0801, 39.2722



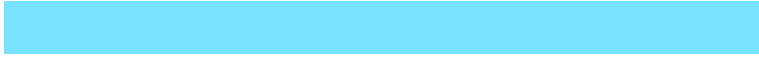
53.1268, 66.0801, 104.5624



77.7071, 66.0801, 62.2574

Square

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



53.1268, 66.0801, 104.5624



73.3488, 66.0801, 105.3869



73.5973, 66.0801, 46.9395



53.3272, 66.0801, 46.4591

Rectangle

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



53.1268, 66.0801, 104.5624



63.9023, 66.0801, 121.0110



73.5973, 66.0801, 46.9395



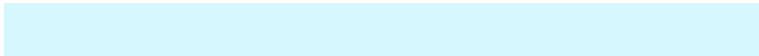
61.7245, 66.0801, 38.3468

Sweetspot

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



53.1287, 66.0825, 104.5628



78.9787, 87.8238, 107.3968



48.5729, 77.5241, 39.6814



16.5112, 18.4906, 22.9488



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.



53.1287, 66.0825, 104.5628



48.4066, 61.4109, 103.9099



38.1955, 36.2162, 99.5850



18.2187, 19.8089, 23.1132



20.6400, 26.1896, 53.4018



2.0859, 2.7024, 5.2250

Inverse Universe

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



61.7032, 40.0014, 77.1445



58.1547, 34.1216, 72.2093



68.6678, 70.7874, 27.4989



18.6230, 18.2325, 21.8980



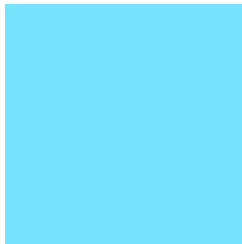
27.2063, 13.3718, 30.8006



2.6875, 1.3174, 3.2015

Previews

White Background



This preview shows how the XYZ color 53.1268, 66.0801, 104.5624 looks on a white background.

Color Contrast Check

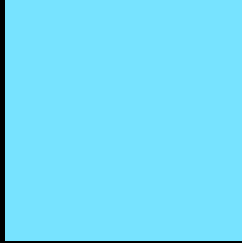
Large Text (above 18pt) WCAG AA × Fail

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 53.1268, 66.0801, 104.5624 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 53.1268, 66.0801, 104.5624

Background



This preview shows how black text looks on a background with the XYZ color 53.1268, 66.0801, 104.5624.

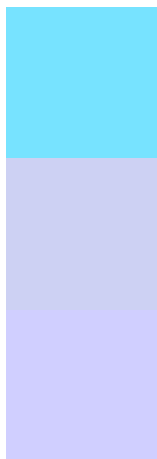


This preview shows how white text looks on a background with the XYZ color 53.1268, 66.0801,

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

53.1268, 66.0801, 104.5624

Protanopia

64.1550, 65.0511, 93.9688

Deuteranopia

66.3752, 65.2555, 103.7050



Tritanopia

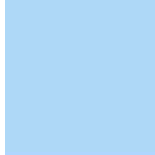
51.7344, 65.9152, 97.9919

Trichromacy



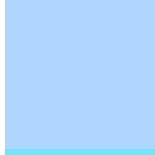
Original Color

53.1268, 66.0801, 104.5624



Protanomaly

58.7999, 64.8258, 97.4092



Deuteranomaly

60.0011, 64.5432, 103.9034



Tritanomaly

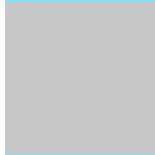
52.3348, 66.1708, 100.4564

Monochromacy



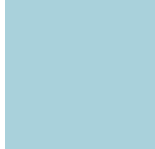
Original Color

53.1268, 66.0801, 104.5624



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.9488, 59.1504, 75.6970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1268, 66.0801, 104.5624 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(119, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 227, 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(119, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.1268, 66.0801, 104.5624 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(119, 227, 255) }
```


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

```
.border{ border-color:rgb(119, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(119, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1268, 66.0801, 104.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 227, 255) }
```

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

```
.background{ background-color: rgb(119,  
227, 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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