

Converting Colors

XYZ(55.9564, 68.9052,
133.5060)

Have a look what the booklet for
XYZ(55.9564, 68.9052, 133.5060)
contains.

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Color

**XYZ(50.5628, 66.8180,
104.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	54E8FF
RGB	84, 232, 255
RGB Percent	33%, 91%, 100%
CMY	0.6705, 0.0902, 0.0000
CMYK	0.67, 0.09, 0.00, 0.00
HSL	188°, 100%, 66%
HSV	188°, 67%, 100%
XYZ	50.5628, 66.8180, 104.8400
YIQ	190.3700, -95.5910, -24.2230

Conversions

Conversions Part 2

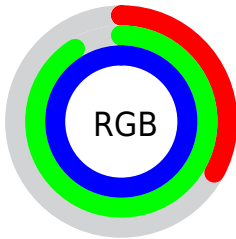
Format	Color
R_{YB}	84, 163, 255
Decimal	5564671
CIE _{Lab}	85.41, -31.98, -22.65
CIE _{LCh}	85, 39.189, 215.299
Yxy	66.8180, 0.2275, 0.3007
Android (android.graphics.Color)	4283754751 (0xFF54E8FF)
YUV	190.3700, 31.8626, -93.2865
Hunter-Lab	81.7423, -32.6354, -18.8238

Details

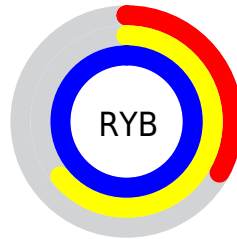
The XYZ color **50.5628, 66.8180, 104.8400** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **48.0992, 32.4173, 12.1118**, and the grayscale version is **49.0208, 51.5737, 56.1638**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **25.7184, 35.1279, 58.8509** is the 20% darker color. If you saturate the color by 10%, you get **47.7263, 63.9379, 104.4336**, and if you desaturate by 10%, it is **54.2521, 70.1685, 105.2922**.

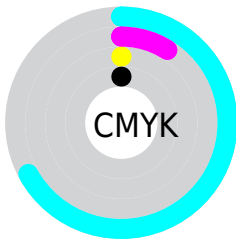
Distribution



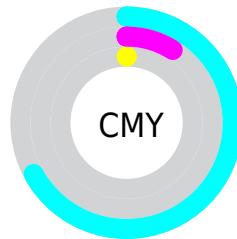
- Red (33%)
- Green (91%)
- Blue (100%)



- Red (33%)
- Yellow (64%)
- Blue (100%)



- Cyan (67%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5628, 66.8180, 104.8400 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 50.5628, 66.8180, 104.8400 by changing the saturation by 10% instead.

50.5628, 66.8180,
104.8400

50.5628, 66.8180,
104.8400

379.2785,
449.2967, 596.9799

36.0804, 48.9367,
79.7094

90.1950, 114.6596,
169.9024

24.6667, 34.5693,
58.9545

116.0756,
145.3887, 210.6712

15.9563, 23.3313,
42.1567

146.4862,
181.1692, 257.4899

9.5839, 14.8383,
28.8975

181.7924,
222.3855, 310.7770

5.1841, 8.7060,
18.7584

222.3593,
269.4220, 370.9510

2.3915, 4.5499,
11.3208

268.5524,

0.8409, 1.9857,

322.6631, 438.4305

6.1662

320.7370,
382.4932, 513.6339

■ 0.0000, 0.5991,
2.8760

■ 0.0000, 0.0000,
1.0317

■ 50.5628, 66.8180,
104.8400

■ 50.5628, 66.8180,
104.8400

■ 47.7263, 63.9379,
104.4336

■ 54.2521, 70.1685,
105.2922

■ 45.6417, 61.4719,
104.0674

■ 58.8697, 74.0243,
105.7931

■ 44.1895, 59.3595,
103.7362

■ 64.4887, 78.4245,
106.3463

■ 43.8285, 58.7769,
103.6428

■ 71.1735, 83.4027,
106.9548

■ 78.9830, 88.9893,
107.6215

■ 87.9718, 95.2125,
108.3490

95.0500, 100.0000,
108.9000

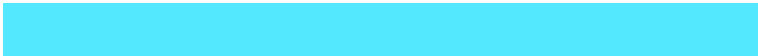
Harmonies

Analogous

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



47.9734, 66.8180, 77.3651



50.5628, 66.8180, 104.8400



56.6345, 66.8180, 126.8606

Triad

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



50.5628, 66.8180, 104.8400



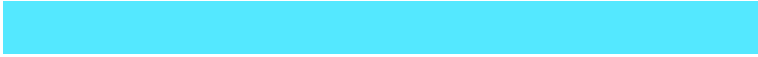
80.3251, 66.8180, 95.1709



61.9441, 66.8180, 34.1053

Complementary

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



50.5628, 66.8180, 104.8400



48.0992, 32.4173, 12.1118

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.



70.9173, 66.8180, 36.7457



50.5628, 66.8180, 104.8400



82.0803, 66.8180, 68.3288

Square

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



50.5628, 66.8180, 104.8400



73.8989, 66.8180, 120.4279



78.4943, 66.8180, 47.9889



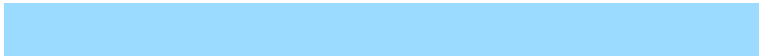
54.1408, 66.8180, 39.6859

Rectangle

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



50.5628, 66.8180, 104.8400



62.1187, 66.8180, 133.2100



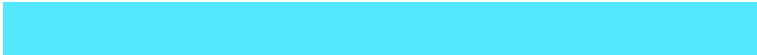
78.4943, 66.8180, 47.9889



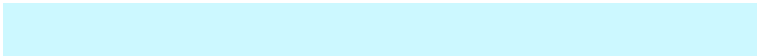
64.9188, 66.8180, 34.0785

Sweetspot

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



50.5647, 66.8204, 104.8403



76.5626, 87.2788, 107.4190



42.0610, 74.4629, 26.0134



15.9133, 18.3428, 22.9517



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.



50.5647, 66.8204, 104.8403



47.0387, 63.1707, 104.3217



32.0954, 29.8818, 98.6839



18.3343, 20.0401, 23.1518



22.9821, 30.8738, 54.1825



2.2929, 3.1165, 5.2940

Inverse Universe

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



58.9771, 33.4287, 79.6903



56.3669, 29.2049, 75.7477



61.7571, 59.7332, 16.6645



18.6814, 18.2559, 22.2052



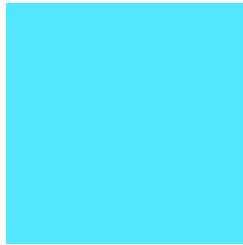
28.3885, 13.8447, 37.0260



2.7919, 1.3592, 3.7518

Previews

White Background



This preview shows how the XYZ color 50.5628, 66.8180, 104.8400 looks on a white background.

Color Contrast Check

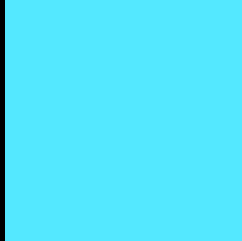
Large Text (above 18pt) WCAG AA × Fail

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 50.5628, 66.8180, 104.8400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

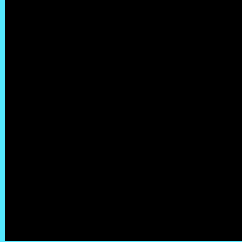
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5628, 66.8180, 104.8400

Background



This preview shows how black text looks on a background with the XYZ color 50.5628, 66.8180, 104.8400.

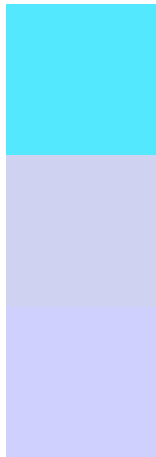


This preview shows how white text looks on a background with the XYZ color 50.5628, 66.8180,

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

50.5628, 66.8180, 104.8400

Protanopia

64.6559, 65.7095, 92.4946

Deuteranopia

66.6183, 65.7416, 103.7860



Tritanopia

50.0312, 67.0367, 101.5692

Trichromacy



Original Color

50.5628, 66.8180, 104.8400



Protanomaly

56.6062, 64.4780, 96.6508



Deuteranomaly

57.9671, 64.6322, 104.0278



Tritanomaly

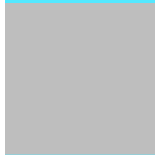
50.2769, 67.1451, 102.4059

Monochromacy



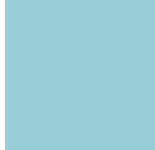
Original Color

50.5628, 66.8180, 104.8400



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.7314, 55.0970, 71.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5628, 66.8180, 104.8400 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(84, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.5628, 66.8180, 104.8400 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(84, 232, 255) }
```


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

```
.border{ border-color:rgb(84, 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(84, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5628, 66.8180, 104.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 232, 255) }
```

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

```
.background{ background-color: rgb(84, 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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