

Converting Colors

XYZ(64.4061, 70.6239,
151.3224)

Have a look what the booklet for
XYZ(64.4061, 70.6239, 151.3224)
contains.

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Color

**XYZ(55.3997, 66.8470,
104.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	88E2FF
RGB	136, 226, 255
RGB Percent	53%, 89%, 100%
CMY	0.4666, 0.1137, 0.0000
CMYK	0.47, 0.11, 0.00, 0.00
HSL	195°, 100%, 77%
HSV	195°, 47%, 100%
XYZ	55.3997, 66.8470, 104.5906
YIQ	202.3960, -62.9490, -10.0610

Conversions

Conversions Part 2

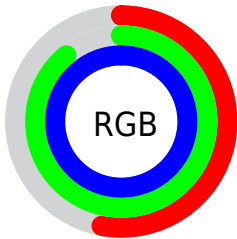
Format	Color
RYB	136, 187, 255
Decimal	8971007
CIELab	85.43, -19.52, -22.46
CIElCh	85, 29.760, 229.009
Yxy	66.8470, 0.2442, 0.2947
Android (android.graphics.Color)	4287161087 (0xFF88E2FF)
YUV	202.3960, 25.9338, -58.2293
Hunter-Lab	81.7600, -22.1304, -18.6141

Details

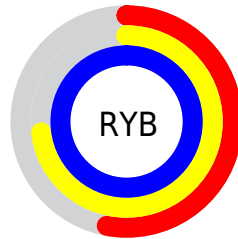
The XYZ color **55.3997, 66.8470, 104.5906** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.1397, 49.9485, 29.8185**, and the grayscale version is **56.2593, 59.1891, 64.4570**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **27.7364, 34.7395, 58.6696** is the 20% darker color. If you saturate the color by 10%, you get **50.0816, 61.6438, 103.8666**, and if you desaturate by 10%, it is **61.7679, 72.6854, 105.3819**.

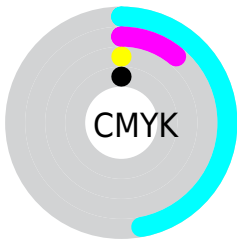
Distribution



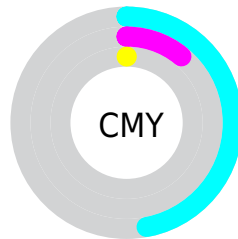
- Red (53%)
- Green (89%)
- Blue (100%)



- Red (53%)
- Yellow (73%)
- Blue (100%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3997, 66.8470, 104.5906 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 55.3997, 66.8470, 104.5906 by changing the saturation by 10% instead.

55.3997, 66.8470,
104.5906

55.3997, 66.8470,
104.5906

397.5371,
449.4000, 596.1843

39.9569, 48.9603,
79.5017

97.2712, 114.7012,
169.5582

27.6890, 34.5880,
58.7846

124.4307,
145.4374, 210.2740

18.2306, 23.3457,
42.0209

156.2265,
181.2256, 257.0358

11.2164, 14.8490,
28.7920

193.0239,
222.4502, 310.2622

6.2809, 8.7134,
18.6793

235.1883,
269.4955, 370.3717

3.0589, 4.5548,
11.2643

283.0851,

1.1850, 1.9885,

322.7460, 437.7829

6.1285

337.0796,
382.5860, 512.9143

■ 0.0945, 0.6008,
2.8533

■ 0.0000, 0.0000,
1.0202

■ 55.3997, 66.8470,
104.5906

■ 55.3997, 66.8470,
104.5906

■ 50.0816, 61.6438,
103.8666

■ 61.7679, 72.6854,
105.3819

■ 45.7363, 57.0305,
103.2052

■ 69.2451, 79.1860,
106.2426

■ 42.2845, 52.9669,
102.6027

■ 77.8924, 86.3825,
107.1759

■ 39.6312, 49.4029,
102.0547

■ 87.7647, 94.3042,
108.1846

■ 37.6570, 46.2760,
101.5552

95.0500, 100.0000,
108.9000

■ 37.0896, 45.2992,
101.3965

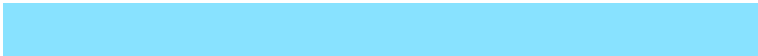
Harmonies

Analogous

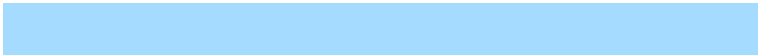
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0413, 66.8470, 85.5719



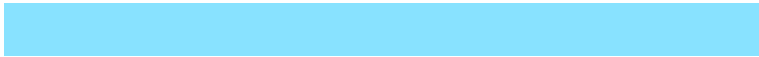
55.3997, 66.8470, 104.5906



61.0944, 66.8470, 115.6959

Triad

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



55.3997, 66.8470, 104.5906



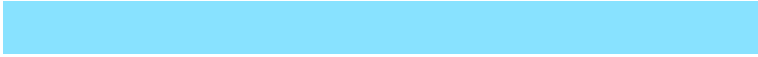
77.1431, 66.8470, 80.1017



59.4029, 66.8470, 43.0019

Complementary

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



55.3997, 66.8470, 104.5906



59.1397, 49.9485, 29.8185

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.



66.0420, 66.8470, 42.0619



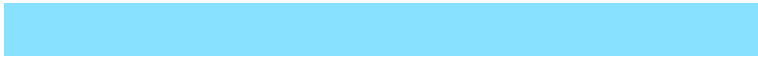
55.3997, 66.8470, 104.5906



76.6099, 66.8470, 61.3399

Square

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



55.3997, 66.8470, 104.5906



73.8416, 66.8470, 99.9811



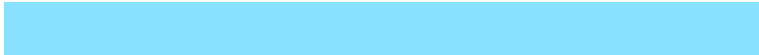
72.4324, 66.8470, 48.1853



54.2370, 66.8470, 51.0305

Rectangle

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



55.3997, 66.8470, 104.5906



65.5896, 66.8470, 116.0000



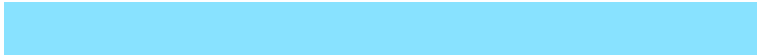
72.4324, 66.8470, 48.1853



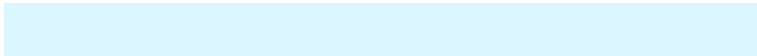
61.5258, 66.8470, 41.9072

Sweetspot

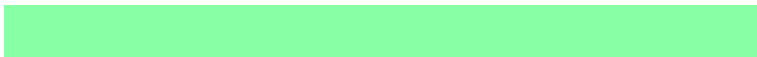
The Sweet Spot groups the original color and five complimentary colors.



55.4016, 66.8495, 104.5910



80.4011, 88.4213, 107.4372



52.5943, 79.4267, 47.5724



16.7729, 18.5716, 22.9506



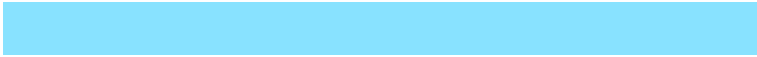
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.4016, 66.8495, 104.5910



50.4041, 61.9709, 103.9128



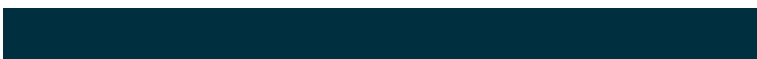
42.1583, 40.3630, 100.1766



18.1579, 19.6873, 23.0930



19.5030, 23.9157, 53.0229



1.9841, 2.4989, 5.1910

Inverse Universe

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



63.7729, 44.3610, 77.1556



60.0014, 38.0706, 72.0372



72.1437, 75.9564, 34.1532



18.5923, 18.2202, 21.7363



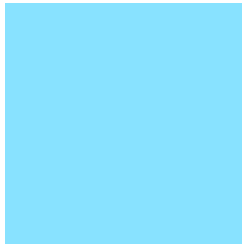
26.6324, 13.1423, 27.7786



2.6361, 1.2968, 2.9311

Previews

White Background



This preview shows how the XYZ color 55.3997, 66.8470, 104.5906 looks on a white background.

Color Contrast Check

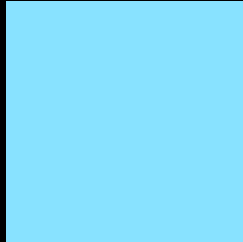
Large Text (above 18pt) WCAG AA × Fail

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 55.3997, 66.8470, 104.5906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

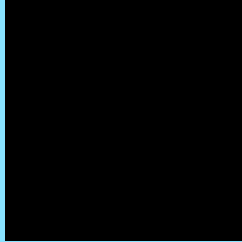
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3997, 66.8470, 104.5906

Background



This preview shows how black text looks on a background with the XYZ color 55.3997, 66.8470, 104.5906.

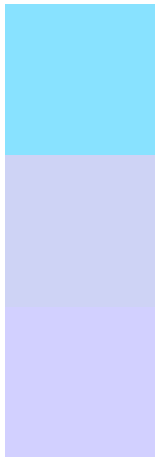


This preview shows how white text looks on a background with the XYZ color 55.3997, 66.8470,

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

55.3997, 66.8470, 104.5906

Protanopia

65.2293, 66.3029, 95.7460

Deuteranopia

67.1842, 66.0334, 103.8125



Tritanopia

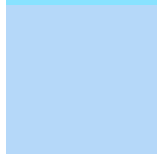
54.0508, 67.1272, 97.2968

Trichromacy



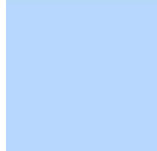
Original Color

55.3997, 66.8470, 104.5906



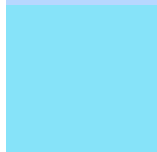
Protanomaly

60.7108, 65.7750, 99.1186



Deuteranomaly

61.8789, 65.8882, 104.0641



Tritanomaly

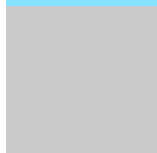
54.3995, 66.8461, 99.6580

Monochromacy



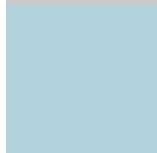
Original Color

55.3997, 66.8470, 104.5906



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

54.7055, 61.2740, 77.3504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3997, 66.8470, 104.5906 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(136, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 226, 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(136, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.3997, 66.8470, 104.5906 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(136, 226, 255) }
```


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

```
.border{ border-color:rgb(136, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3997, 66.8470, 104.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 226, 255) }
```

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

```
.background{ background-color: rgb(136,  
226, 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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