

Converting Colors

XYZ(63.0177, 70.9905,
136.6622)

Have a look what the booklet for
XYZ(63.0177, 70.9905, 136.6622)
contains.

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Color

**XYZ(56.9487, 68.4576,
104.8199)**

Conversions

Conversions Part 1

Format	Color
Hex	8EE4FF
RGB	142, 228, 255
RGB Percent	56%, 89%, 100%
CMY	0.4431, 0.1059, 0.0000
CMYK	0.44, 0.11, 0.00, 0.00
HSL	194°, 100%, 78%
HSV	194°, 44%, 100%
XYZ	56.9487, 68.4576, 104.8199
YIQ	205.3640, -59.9230, -9.8350

Conversions

Conversions Part 2

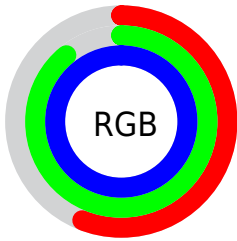
Format	Color
RYB	142, 191, 255
Decimal	9364735
CIELab	86.23, -19.15, -21.21
CIELCh	86, 28.577, 227.932
Yxy	68.4576, 0.2474, 0.2973
Android (android.graphics.Color)	4287554815 (0xFF8EE4FF)
YUV	205.3640, 24.4705, -55.5702
Hunter-Lab	82.7391, -21.9332, -17.1955

Details

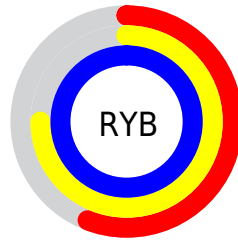
The XYZ color **56.9487, 68.4576, 104.8199** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.3110, 51.5894, 32.3720**, and the grayscale version is **58.1381, 61.1658, 66.6096**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **28.5128, 35.4213, 58.7603** is the 20% darker color. If you saturate the color by 10%, you get **51.4175, 63.1633, 104.0895**, and if you desaturate by 10%, it is **63.5434, 74.3910, 105.6175**.

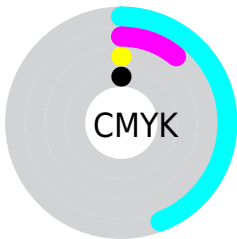
Distribution



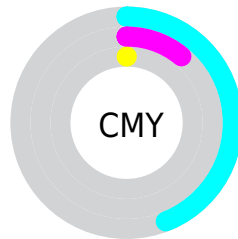
- Red (56%)
- Green (89%)
- Blue (100%)



- Red (56%)
- Yellow (75%)
- Blue (100%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9487, 68.4576, 104.8199 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 56.9487, 68.4576, 104.8199 by changing the saturation by 10% instead.

56.9487, 68.4576,
104.8199

56.9487, 68.4576,
104.8199

403.2743,
455.1156, 596.9158

41.2040, 50.2701,
79.6927

99.5221, 117.0065,
169.8746

28.6669, 35.6281,
58.9408

127.0816,
148.1368, 210.6392

18.9720, 24.1471,
42.1458

159.3100,
184.3500, 257.4533

11.7539, 15.4428,
28.8890

196.5728,
226.0307, 310.7355

6.6474, 9.1307,
18.7520

239.2353,
273.5632, 370.9043

3.2869, 4.8265,
11.3162

287.6628,

1.3072, 2.1458,

327.3319, 438.3783

6.1631

342.2207,
387.7213, 513.5759

■ 0.1886, 0.6902,
2.8741

■ 0.0000, 0.0000,
1.0307

■ 56.9487, 68.4576,
104.8199

■ 56.9487, 68.4576,
104.8199

■ 51.4175, 63.1633,
104.0895

■ 63.5434, 74.3910,
105.6175

■ 46.8744, 58.4636,
103.4218

■ 71.2591, 80.9893,
106.4845

■ 43.2428, 54.3196,
102.8133

■ 80.1558, 88.2858,
107.4239

■ 40.4314, 50.6835,
102.2597

■ 90.2875, 96.3093,
108.4386

■ 38.3287, 47.4967, 95.0500, 100.0000,
101.7554 108.9000

■ 37.3589, 45.8379,
101.4863

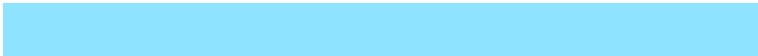
Harmonies

Analogous

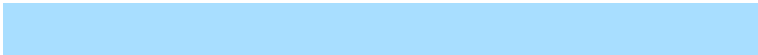
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.7511, 68.4576, 86.2669



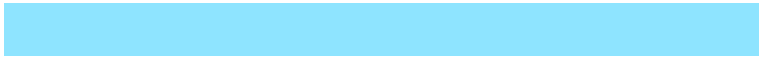
56.9487, 68.4576, 104.8199



62.4560, 68.4576, 115.9080

Triad

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



56.9487, 68.4576, 104.8199



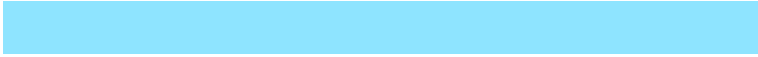
78.2472, 68.4576, 82.3781



61.2468, 68.4576, 45.0935

Complementary

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



56.9487, 68.4576, 104.8199



60.3110, 51.5894, 32.3720

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.



67.7495, 68.4576, 44.4104



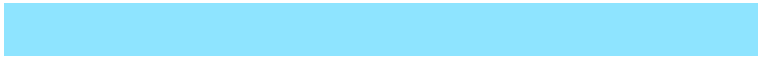
56.9487, 68.4576, 104.8199



77.8688, 68.4576, 63.9248

Square

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



56.9487, 68.4576, 104.8199



74.9235, 68.4576, 101.5627



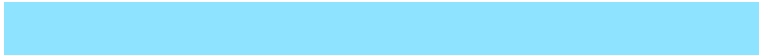
73.9221, 68.4576, 50.7353



56.1150, 68.4576, 52.7916

Rectangle

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



56.9487, 68.4576, 104.8199



66.8294, 68.4576, 116.5189



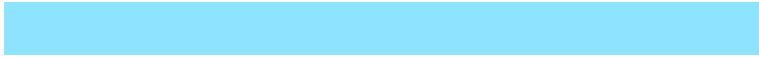
73.9221, 68.4576, 50.7353



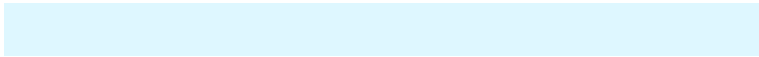
63.3357, 68.4576, 44.0894

Sweetspot

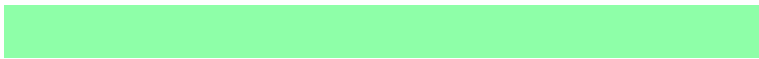
The Sweet Spot groups the original color and five complimentary colors.



56.9506, 68.4601, 104.8203



81.4135, 89.2964, 107.5527



54.0186, 80.1122, 49.8430



16.9755, 18.7507, 22.9745



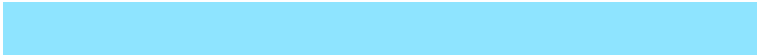
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.9506, 68.4601, 104.8203



52.0854, 63.8233, 104.1817



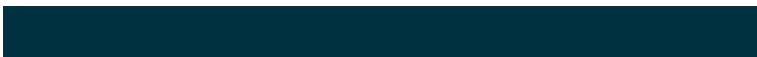
43.9847, 42.5283, 100.4983



18.1655, 19.7026, 23.0955



19.6424, 24.1943, 53.0693



1.9966, 2.5240, 5.1952

Inverse Universe

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



64.9178, 46.2091, 78.8993



61.2188, 39.9690, 74.0960



73.0124, 76.9922, 36.6058



18.5962, 18.2218, 21.7566



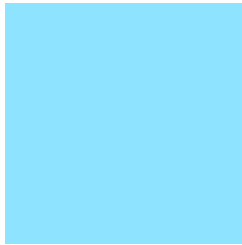
26.7027, 13.1704, 28.1489



2.6424, 1.2993, 2.9643

Previews

White Background



This preview shows how the XYZ color 56.9487, 68.4576, 104.8199 looks on a white background.

Color Contrast Check

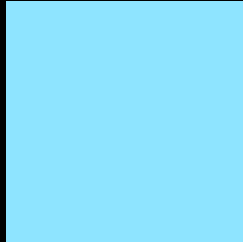
Large Text (above 18pt) WCAG AA × Fail

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 56.9487, 68.4576, 104.8199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

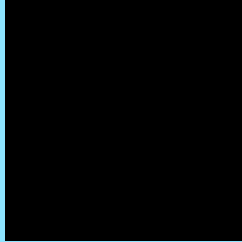
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9487, 68.4576, 104.8199

Background



This preview shows how black text looks on a background with the XYZ color 56.9487, 68.4576, 104.8199.

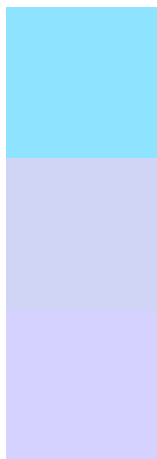


This preview shows how white text looks on a background with the XYZ color 56.9487, 68.4576,

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

56.9487, 68.4576, 104.8199

Protanopia

66.5702, 67.7364, 95.9520

Deuteranopia

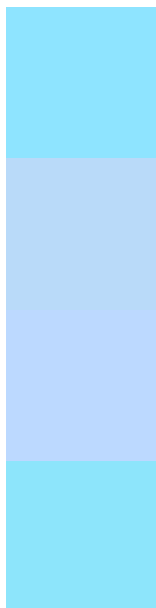
68.8281, 67.6093, 104.0300



Tritanopia

55.7778, 68.3914, 99.0680

Trichromacy



Original Color

56.9487, 68.4576, 104.8199

Protanomaly

62.1779, 67.2966, 99.3350

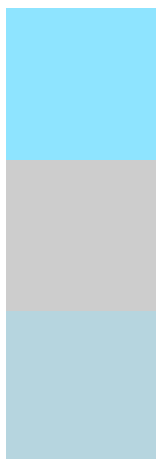
Deuteranomaly

63.6019, 67.5371, 104.2915

Tritanomaly

56.4164, 68.6664, 101.5473

Monochromacy



Original Color

56.9487, 68.4576, 104.8199

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.4049, 62.8613, 78.9726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9487, 68.4576, 104.8199 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(142, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 228, 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(142, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.9487, 68.4576, 104.8199 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(142, 228, 255) }
```


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

```
.border{ border-color:rgb(142, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9487, 68.4576, 104.8199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 228, 255) }
```

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

```
.background{ background-color: rgb(142,  
228, 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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