

Converting Colors

XYZ(56.9198, 68.1945,
104.7706)

Have a look what the booklet for
XYZ(56.9198, 68.1945, 104.7706)
contains.

XYZ(56.8468, 67.9978, 104.7365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.8468, 67.9978,
104.7365)**

Conversions

Conversions Part 1

Format	Color
Hex	8FE3FF
RGB	143, 227, 255
RGB Percent	56%, 89%, 100%
CMY	0.4392, 0.1098, 0.0000
CMYK	0.44, 0.11, 0.00, 0.00
HSL	195°, 100%, 78%
HSV	195°, 44%, 100%
XYZ	56.8468, 67.9978, 104.7365
YIQ	205.0760, -59.0520, -9.1000

Conversions

Conversions Part 2

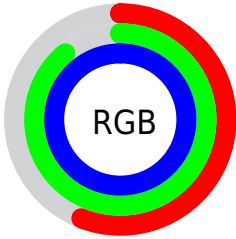
Format	Color
R_{YB}	143, 191, 255
Decimal	9430015
CIE _{Lab}	86.01, -18.41, -21.56
CIE _{LCh}	86, 28.348, 229.503
Yxy	67.9978, 0.2476, 0.2962
Android (android.graphics.Color)	4287620095 (0xFF8FE3FF)
YUV	205.0760, 24.6125, -54.4407
Hunter-Lab	82.4608, -21.2521, -17.5839

Details

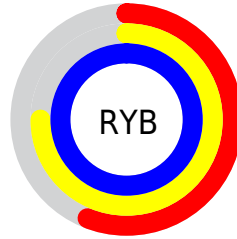
The XYZ color **56.8468, 67.9978, 104.7365** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.7615, 52.3697, 32.8945**, and the grayscale version is **57.9537, 60.9718, 66.3983**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **28.6919, 35.5136, 58.7687** is the 20% darker color. If you saturate the color by 10%, you get **51.2129, 62.5544, 103.9827**, and if you desaturate by 10%, it is **63.5523, 74.0926, 105.5595**.

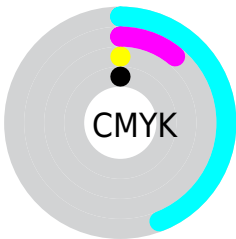
Distribution



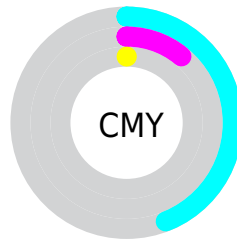
- Red (56%)
- Green (89%)
- Blue (100%)



- 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 56.8468, 67.9978, 104.7365 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 56.8468, 67.9978, 104.7365 by changing the saturation by 10% instead.

56.8468, 67.9978,
104.7365

56.8468, 67.9978,
104.7365

402.8985,
453.4882, 596.6498

41.1219, 49.8959,
79.6232

99.3743, 116.3490,
169.7596

28.6024, 35.3307,
58.8840

126.9076,
147.3671, 210.5064

18.9231, 23.9177,
42.1003

159.1077,
183.4595, 257.3015

11.7184, 15.2726,
28.8537

196.3400,
225.0104, 310.5634

6.6230, 9.0109,
18.7256

238.9699,
272.4044, 370.7106

3.2717, 4.7483,
11.2973

287.3627,

1.2990, 2.1004,

326.0257, 438.1618

6.1505

341.8838,
386.2589, 513.3353

■ 0.1825, 0.6648,
2.8666

■ 0.0000, 0.0000,
1.0269

■ 56.8468, 67.9978,
104.7365

■ 56.8468, 67.9978,
104.7365

■ 51.2129, 62.5544,
103.9827

■ 63.5523, 74.0926,
105.5595

■ 46.5753, 57.7178,
103.2936

■ 71.3868, 80.8646,
106.4537

■ 42.8577, 53.4493,
102.6657

■ 80.4101, 88.3474,
107.4224

■ 39.9694, 49.7011,
102.0944

■ 90.6761, 96.5696,
108.4684

■ 37.7999, 46.4150,
101.5745

95.0500, 100.0000,
108.9000

■ 36.7366, 44.5932,
101.2789

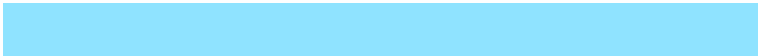
Harmonies

Analogous

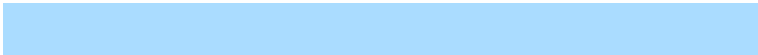
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.5478, 67.9978, 86.6454



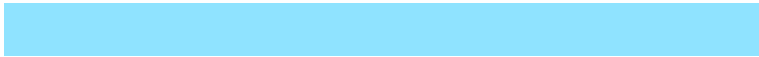
56.8468, 67.9978, 104.7365



62.3790, 67.9978, 115.1146

Triad

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



56.8468, 67.9978, 104.7365



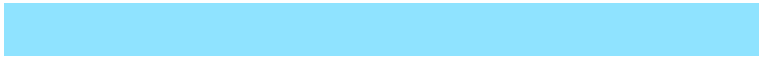
77.7173, 67.9978, 80.7540



60.5456, 67.9978, 45.1583

Complementary

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



56.8468, 67.9978, 104.7365



60.7615, 52.3697, 32.8945

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.



66.9342, 67.9978, 44.1199



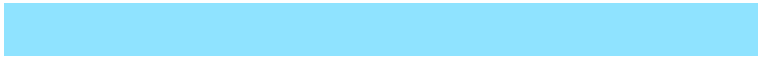
56.8468, 67.9978, 104.7365



77.1442, 67.9978, 62.7171

Square

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



56.8468, 67.9978, 104.7365



74.6098, 67.9978, 99.8067



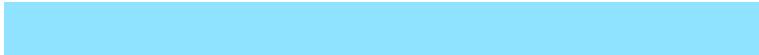
73.0928, 67.9978, 50.0137



55.5821, 67.9978, 53.1368

Rectangle

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



56.8468, 67.9978, 104.7365



66.7158, 67.9978, 115.2595



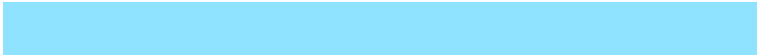
73.0928, 67.9978, 50.0137



62.5879, 67.9978, 44.0436

Sweetspot

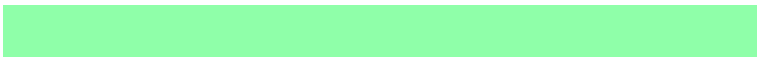
The Sweet Spot groups the original color and five complimentary colors.



56.8487, 68.0003, 104.7369



81.3014, 89.0722, 107.5154



54.2629, 80.2298, 50.2297



16.9477, 18.6950, 22.9652



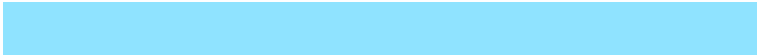
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.8487, 68.0003, 104.7369



51.6883, 63.0291, 104.0493



44.2973, 42.8976, 100.5531



18.1478, 19.6671, 23.0896



19.3204, 23.5504, 52.9620



1.9677, 2.4660, 5.1856

Inverse Universe

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



64.9289, 46.4527, 78.2199



61.0183, 39.8888, 73.0405



73.1600, 77.1666, 37.0274



18.5872, 18.2182, 21.7095



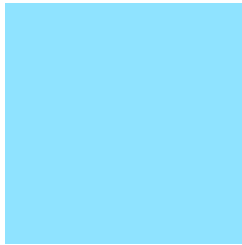
26.5402, 13.1054, 27.2931



2.6278, 1.2935, 2.8874

Previews

White Background



This preview shows how the XYZ color 56.8468, 67.9978, 104.7365 looks on a white background.

Color Contrast Check

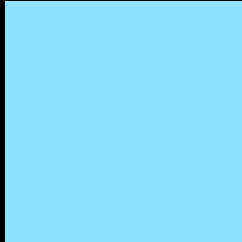
Large Text (above 18pt) WCAG AA × Fail

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 56.8468, 67.9978, 104.7365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

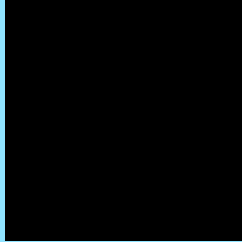
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8468, 67.9978, 104.7365

Background



This preview shows how black text looks on a background with the XYZ color 56.8468, 67.9978, 104.7365.

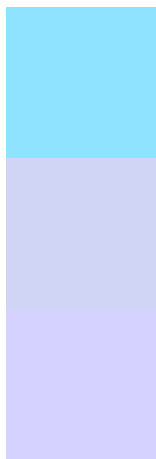


This preview shows how white text looks on a background with the XYZ color 56.8468, 67.9978,

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

56.8468, 67.9978, 104.7365

Protanopia

66.0373, 67.0894, 95.8552

Deuteranopia

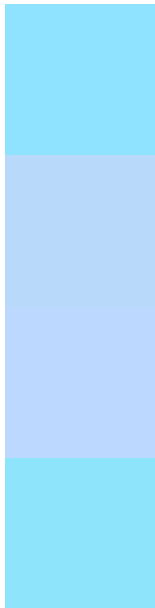
68.5372, 67.4593, 104.0164



Tritanopia

55.5164, 67.8649, 98.1689

Trichromacy



Original Color

56.8468, 67.9978, 104.7365

Protanomaly

61.6789, 66.6556, 99.2375

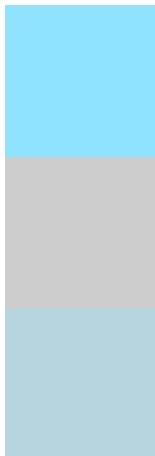
Deuteranomaly

63.3449, 67.0231, 104.2059

Tritanomaly

56.1541, 68.1397, 100.6351

Monochromacy



Original Color

56.8468, 67.9978, 104.7365

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 56.8468, 67.9978, 104.7365 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(143, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8468, 67.9978, 104.7365 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(143, 227, 255) }
```


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

```
.border{ border-color:rgb(143, 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(143, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8468, 67.9978, 104.7365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 227, 255) }
```

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

```
.background{ background-color: rgb(143,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor