

Converting Colors

XYZ(58.3662, 68.0824,
113.1032)

Have a look what the booklet for
XYZ(58.3662, 68.0824, 113.1032)
contains.

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Color

**XYZ(56.7480, 67.5420,
104.6537)**

Conversions

Conversions Part 1

Format	Color
Hex	90E2FF
RGB	144, 226, 255
RGB Percent	56%, 89%, 100%
CMY	0.4353, 0.1137, 0.0000
CMYK	0.44, 0.11, 0.00, 0.00
HSL	196°, 100%, 78%
HSV	196°, 44%, 100%
XYZ	56.7480, 67.5420, 104.6537
YIQ	204.7880, -58.1810, -8.3650

Conversions

Conversions Part 2

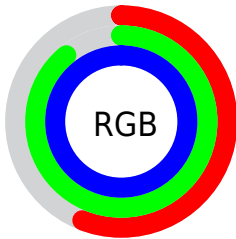
Format	Color
RYB	144, 191, 255
Decimal	9495295
CIELab	85.78, -17.67, -21.90
CIElCh	86, 28.138, 231.102
Yxy	67.5420, 0.2479, 0.2950
Android (android.graphics.Color)	4287685375 (0xFF90E2FF)
YUV	204.7880, 24.7545, -53.3111
Hunter-Lab	82.1839, -20.5677, -17.9716

Details

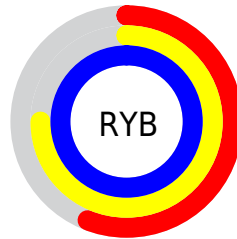
The XYZ color **56.7480, 67.5420, 104.6537** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **61.2183, 53.1615, 33.4223**, and the grayscale version is **57.7696, 60.7782, 66.1874**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **28.5937, 35.1815, 58.7097** is the 20% darker color. If you saturate the color by 10%, you get **51.0109, 61.9487, 103.8765**, and if you desaturate by 10%, it is **63.5651, 73.7995, 105.5022**.

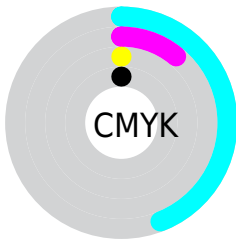
Distribution



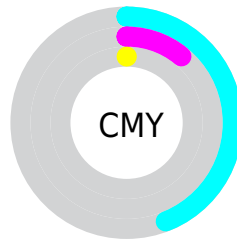
- Red (56%)
- Green (89%)
- Blue (100%)



- 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 56.7480, 67.5420, 104.6537 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 56.7480, 67.5420, 104.6537 by changing the saturation by 10% instead.

56.7480, 67.5420,
104.6537

56.7480, 67.5420,
104.6537

402.5338,
451.8716, 596.3857

41.0423, 49.5252,
79.5542

99.2309, 115.6967,
169.6453

28.5400, 35.0363,
58.8276

126.7388,
146.6034, 210.3745

18.8756, 23.6908,
42.0552

158.9114,
182.5756, 257.1507

11.6839, 15.1044,
28.8187

196.1142,
223.9975, 310.3925

6.5995, 8.8927,
18.6993

238.7125,
271.2537, 370.5183

3.2570, 4.6713,
11.2786

287.0716,

1.2911, 2.0557,

324.7285, 437.9468

6.1380

341.5570,
384.8064, 513.0964

■ 0.1765, 0.6395,
2.8590

■ 0.0000, 0.0000,
1.0231

■ 56.7480, 67.5420,
104.6537

■ 56.7480, 67.5420,
104.6537

■ 51.0109, 61.9487,
103.8765

■ 63.5651, 73.7995,
105.5022

■ 46.2787, 56.9753,
103.1659

■ 71.5194, 80.7474,
106.4241

■ 42.4754, 52.5829,
102.5186

■ 80.6707, 88.4192,
107.4226

■ 39.5108, 48.7238,
101.9299

■ 91.0729, 96.8437,
108.5004

■ 37.2752, 45.3401,
101.3947

95.0500, 100.0000,
108.9000

■ 36.1153, 43.3506,
101.0718

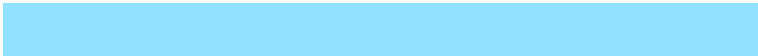
Harmonies

Analogous

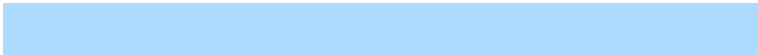
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.3480, 67.5420, 87.0279



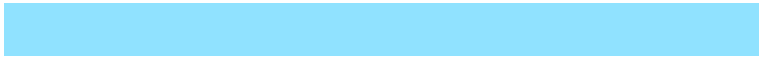
56.7480, 67.5420, 104.6537



62.3048, 67.5420, 114.3231

Triad

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



56.7480, 67.5420, 104.6537



77.1905, 67.5420, 79.1509



59.8512, 67.5420, 45.2278

Complementary

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



56.7480, 67.5420, 104.6537



61.2183, 53.1615, 33.4223

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.



66.1264, 67.5420, 43.8346



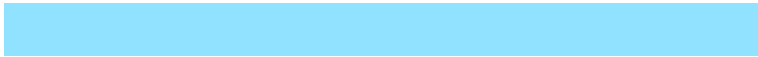
56.7480, 67.5420, 104.6537



76.4245, 67.5420, 61.5262

Square

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



56.7480, 67.5420, 104.6537



74.2983, 67.5420, 98.0688



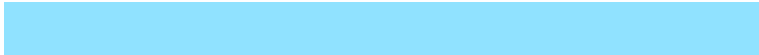
72.2701, 67.5420, 49.3018



55.0548, 67.5420, 53.4885

Rectangle

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



56.7480, 67.5420, 104.6537



66.6047, 67.5420, 114.0064



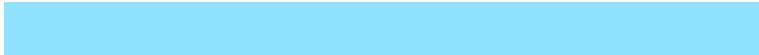
72.2701, 67.5420, 49.3018



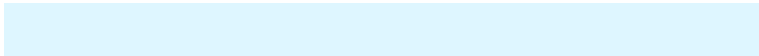
61.8474, 67.5420, 44.0022

Sweetspot

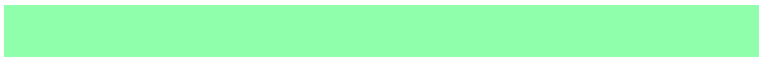
The Sweet Spot groups the original color and five complimentary colors.



56.7499, 67.5445, 104.6541



81.1875, 88.8444, 107.4774



54.6853, 80.4189, 51.5461



16.9194, 18.6384, 22.9558



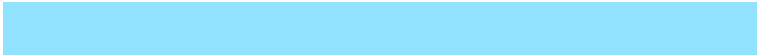
0.0000, 0.0000, 0.0000



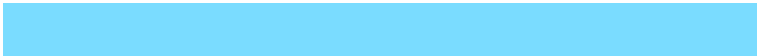
20.3446, 21.4041, 23.3091

Same Dimension

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



56.7499, 67.5445, 104.6541



51.8205, 62.7622, 103.9908



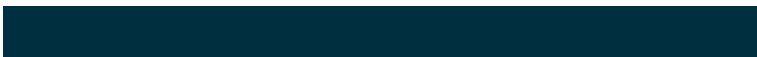
44.2583, 42.5613, 100.4902



18.1297, 19.6310, 23.0836



18.9989, 22.9073, 52.8548



1.9387, 2.4080, 5.1759

Inverse Universe

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



64.9420, 46.6993, 77.5452



61.2147, 40.4639, 72.5440



73.8123, 78.3495, 37.6203



18.5781, 18.2146, 21.6615



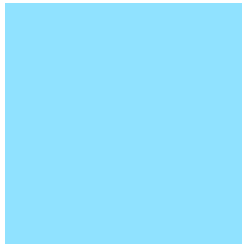
26.3780, 13.0405, 26.4385



2.6132, 1.2876, 2.8103

Previews

White Background



This preview shows how the XYZ color 56.7480, 67.5420, 104.6537 looks on a white background.

Color Contrast Check

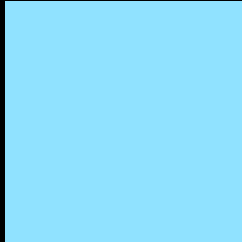
Large Text (above 18pt) WCAG AA × Fail

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 56.7480, 67.5420, 104.6537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

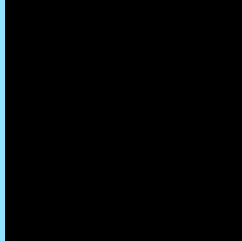
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7480, 67.5420, 104.6537

Background



This preview shows how black text looks on a background with the XYZ color 56.7480, 67.5420, 104.6537.



This preview shows how white text looks on a background with the XYZ color 56.7480, 67.5420,

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

56.7480, 67.5420, 104.6537

Protanopia

66.1905, 67.1507, 96.6615

Deuteranopia

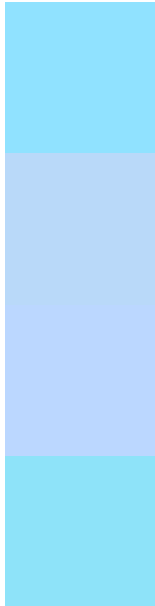
68.0018, 66.8180, 103.9208



Tritanopia

55.3625, 67.8033, 97.3582

Trichromacy



Original Color

56.7480, 67.5420, 104.6537

Protanomaly

61.9193, 66.7795, 99.2488

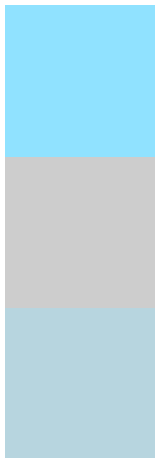
Deuteranomaly

62.8440, 66.3857, 104.1092

Tritanomaly

55.7233, 67.5285, 99.7199

Monochromacy



Original Color

56.7480, 67.5420, 104.6537

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.6420, 62.9835, 78.9837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7480, 67.5420, 104.6537 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(144, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7480, 67.5420, 104.6537 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(144, 226, 255) }
```


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

```
.border{ border-color:rgb(144, 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(144, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7480, 67.5420, 104.6537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 226, 255) }
```

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

```
.background{ background-color: rgb(144,  
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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