

Converting Colors

XYZ(56.0123, 68.1259,
104.8052)

Have a look what the booklet for
XYZ(56.0123, 68.1259, 104.8052)
contains.

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Color

**XYZ(55.9467, 67.9410,
104.7730)**

Conversions

Conversions Part 1

Format	Color
Hex	88E4FF
RGB	136, 228, 255
RGB Percent	53%, 89%, 100%
CMY	0.4666, 0.1059, 0.0000
CMYK	0.47, 0.11, 0.00, 0.00
HSL	194°, 100%, 77%
HSV	194°, 47%, 100%
XYZ	55.9467, 67.9410, 104.7730
YIQ	203.5700, -63.4990, -11.1070

Conversions

Conversions Part 2

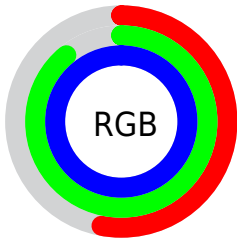
Format	Color
R _Y B	136, 188, 255
Decimal	8971519
CIE Lab	85.98, -20.52, -21.63
CIE LCh	86, 29.816, 226.504
Yxy	67.9410, 0.2447, 0.2971
Android (android.graphics.Color)	4287161599 (0xFF88E4FF)
YUV	203.5700, 25.3550, -59.2589
Hunter-Lab	82.4263, -23.0896, -17.6657

Details

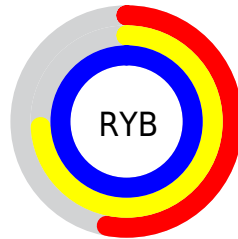
The XYZ color **55.9467, 67.9410, 104.7730** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.7817, 49.2326, 29.6992**, and the grayscale version is **56.9989, 59.9673, 65.3044**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **27.9261, 35.1188, 58.7328** is the 20% darker color. If you saturate the color by 10%, you get **50.7228, 62.9262, 104.0803**, and if you desaturate by 10%, it is **62.2127, 73.5751, 105.5302**.

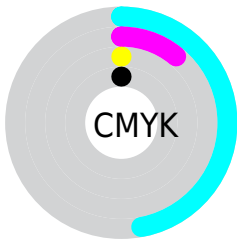
Distribution



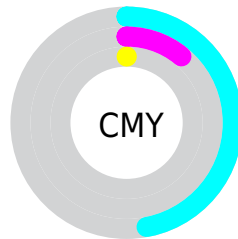
- Red (53%)
- Green (89%)
- Blue (100%)



- Red (53%)
- Yellow (74%)
- 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 55.9467, 67.9410, 104.7730 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 55.9467, 67.9410, 104.7730 by changing the saturation by 10% instead.

55.9467, 67.9410,
104.7730

55.9467, 67.9410,
104.7730

399.5689,
453.2869, 596.7662

40.3970, 49.8497,
79.6536

98.0669, 116.2677,
169.8099

28.0338, 35.2940,
58.9089

125.3681,
147.2720, 210.5645

18.4917, 23.8894,
42.1202

157.3173,
183.3494, 257.3680

11.4054, 15.2516,
28.8692

194.2797,
224.8843, 310.6387

6.4095, 8.9962,
18.7371

236.6207,
272.2611, 370.7954

3.1387, 4.7387,
11.3056

284.7056,

1.2275, 2.0948,

325.8642, 438.2565

6.1560

338.8999,
386.0780, 513.4406

■ 0.1279, 0.6617,
2.8699

■ 0.0000, 0.0000,
1.0286

■ 55.9467, 67.9410,
104.7730

■ 55.9467, 67.9410,
104.7730

■ 50.7228, 62.9262,
104.0803

■ 62.2127, 73.5751,
105.5302

■ 46.4638, 58.4856,
103.4477

■ 69.5796, 79.8551,
106.3541

■ 43.0907, 54.5792,
102.8715

■ 78.1084, 86.8146,
107.2479

■ 40.5084, 51.1573,
102.3471

■ 87.8539, 94.4826,
108.2143

■ 38.5978, 48.1575, 95.0500, 100.0000,
101.8688 108.9000

■ 38.0499, 47.2199,
101.7166

Harmonies

Analogous

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



52.7781, 67.9410, 85.1906



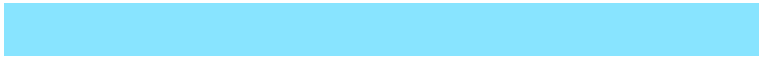
55.9467, 67.9410, 104.7730



61.5574, 67.9410, 116.9373

Triad

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



55.9467, 67.9410, 104.7730



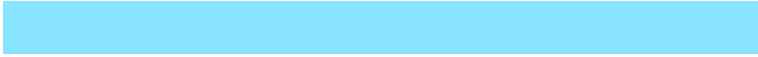
78.2152, 67.9410, 83.1115



60.9143, 67.9410, 43.4414

Complementary

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



55.9467, 67.9410, 104.7730



58.7817, 49.2326, 29.6992

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.



67.6915, 67.9410, 43.0838



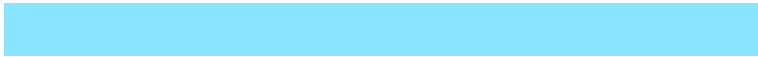
55.9467, 67.9410, 104.7730



78.0125, 67.9410, 63.7918

Square

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



55.9467, 67.9410, 104.7730



74.5852, 67.9410, 103.0213



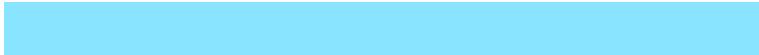
74.0497, 67.9410, 49.8962



55.5046, 67.9410, 50.9782

Rectangle

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



55.9467, 67.9410, 104.7730



66.0758, 67.9410, 118.0222



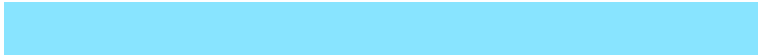
74.0497, 67.9410, 49.8962



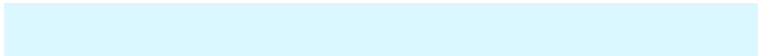
63.0988, 67.9410, 42.5304

Sweetspot

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



55.9486, 67.9435, 104.7733



80.5842, 88.7875, 107.4982



52.4169, 79.3557, 46.6379



16.8178, 18.6614, 22.9656



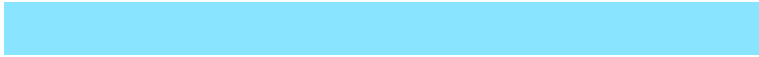
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.9486, 67.9435, 104.7733



51.0393, 63.2413, 104.1245



42.5265, 41.0994, 100.2993



18.1849, 19.7413, 23.1020



19.9997, 24.9089, 53.1884



2.0287, 2.5880, 5.2059

Inverse Universe

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



64.0490, 44.4714, 78.6096



60.3221, 38.1988, 73.7255



71.6160, 74.9011, 33.9773



18.6060, 18.2257, 21.8081



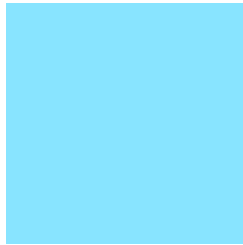
26.8831, 13.2425, 29.0986



2.6586, 1.3058, 3.0495

Previews

White Background



This preview shows how the XYZ color 55.9467, 67.9410, 104.7730 looks on a white background.

Color Contrast Check

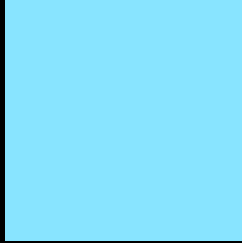
Large Text (above 18pt) WCAG AA × Fail

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 55.9467, 67.9410, 104.7730 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

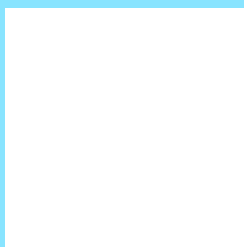
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9467, 67.9410, 104.7730

Background



This preview shows how black text looks on a background with the XYZ color 55.9467, 67.9410, 104.7730.

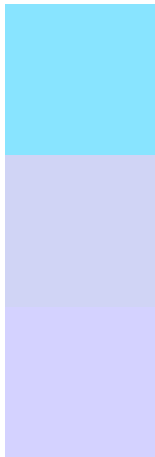


This preview shows how white text looks on a background with the XYZ color 55.9467, 67.9410,

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

55.9467, 67.9410, 104.7730

Protanopia

66.0373, 67.0894, 95.8552

Deuteranopia

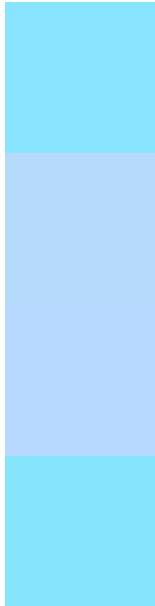
68.2480, 67.3102, 104.0029



Tritanopia

54.7941, 67.8843, 99.0220

Trichromacy



Original Color

55.9467, 67.9410, 104.7730

Protanomaly

61.4617, 66.9274, 99.3014

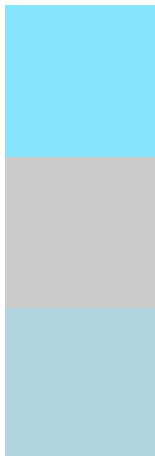
Deuteranomaly

62.6300, 67.0361, 104.2460

Tritanomaly

55.4236, 68.1546, 101.5008

Monochromacy



Original Color

55.9467, 67.9410, 104.7730

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

55.7039, 62.4999, 78.9398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9467, 67.9410, 104.7730 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.9467, 67.9410, 104.7730 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, 228, 255) }
```


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

```
.border{ border-color:rgb(136, 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(136, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9467, 67.9410, 104.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 228, 255) }
```

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

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