

Converting Colors

XYZ(60.7580, 68.4168,
119.9952)

Have a look what the booklet for
XYZ(60.7580, 68.4168, 119.9952)
contains.

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Color

**XYZ(57.8425, 67.3036,
104.5500)**

Conversions

Conversions Part 1

Format	Color
Hex	99E0FF
RGB	153, 224, 255
RGB Percent	60%, 88%, 100%
CMY	0.4000, 0.1216, 0.0000
CMYK	0.40, 0.12, 0.00, 0.00
HSL	198°, 100%, 80%
HSV	198°, 40%, 100%
XYZ	57.8425, 67.3036, 104.5500
YIQ	206.3050, -52.2670, -5.4110

Conversions

Conversions Part 2

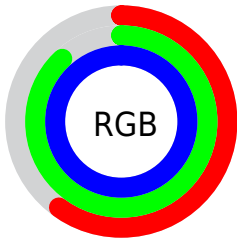
Format	Color
R _Y B	153, 195, 255
Decimal	10084607
CIE Lab	85.66, -14.46, -22.04
CIE LCh	86, 26.362, 236.727
Yxy	67.3036, 0.2518, 0.2930
Android (android.graphics.Color)	4288274687 (0xFF99E0FF)
YUV	206.3050, 24.0066, -46.7485
Hunter-Lab	82.0388, -17.7141, -18.1319

Details

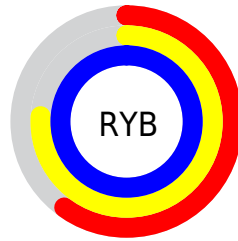
The XYZ color **57.8425, 67.3036, 104.5500** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **64.1307, 57.8412, 37.9233**, and the grayscale version is **58.7382, 61.7972, 67.2971**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **29.2049, 34.9399, 58.6309** is the 20% darker color. If you saturate the color by 10%, you get **51.4988, 61.0131, 103.6702**, and if you desaturate by 10%, it is **65.3132, 74.3191, 105.5104**.

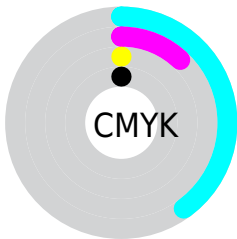
Distribution



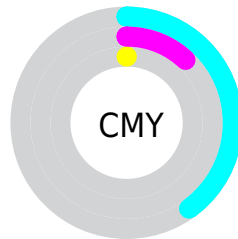
- Red (60%)
- Green (88%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8425, 67.3036, 104.5500 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 57.8425, 67.3036, 104.5500 by changing the saturation by 10% instead.

■ 57.8425, 67.3036,
104.5500

■ 57.8425, 67.3036,
104.5500

406.5621,
451.0247, 596.0548

■ 41.9248, 49.3314,
79.4679

■ 100.8178,
115.3553, 169.5022

■ 29.2333, 34.8824,
58.7570

■ 128.6060,
146.2036, 210.2093

■ 19.4025, 23.5723,
41.9988

161.0819,
182.1128, 256.9619

■ 12.0672, 15.0167,
28.7748

198.6106,
223.4671, 310.1784

■ 6.8620, 8.8311,
18.6664

241.5577,
270.6511, 370.2774

■ 3.4215, 4.6312,
11.2551

290.2884,

■ 1.3804, 2.0325,

324.0491, 437.6774

6.1224

345.1681,
384.0455, 512.7971

■ 0.2422, 0.6263,
2.8496

■ 0.0000, 0.0000,
1.0184

■ 57.8425, 67.3036,
104.5500

■ 57.8425, 67.3036,
104.5500

■ 51.4988, 61.0131,
103.6702

■ 65.3132, 74.3191,
105.5104

■ 46.2092, 55.4035,
102.8662

■ 73.9669, 82.0857,
106.5534

■ 41.9005, 50.4367,
102.1346

■ 83.8622, 90.6368,
107.6824

■ 38.4868, 46.0667,
101.4710

95.0500, 100.0000,
108.9000

■ 35.8662, 42.2387,
100.8703

■ 33.8727, 38.8652,
100.3242

■ 33.8723, 38.8647,
100.3241

Harmonies

Analogous

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



54.2020, 67.3036, 89.1821



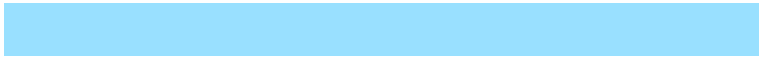
57.8425, 67.3036, 104.5500



63.3132, 67.3036, 111.4998

Triad

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



57.8425, 67.3036, 104.5500



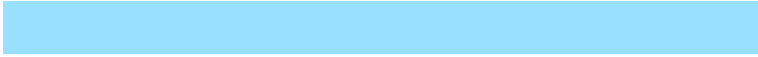
76.2032, 67.3036, 75.1862



58.9166, 67.3036, 47.5385

Complementary

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



57.8425, 67.3036, 104.5500



64.1307, 57.8412, 37.9233

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.



64.6315, 67.3036, 44.9789



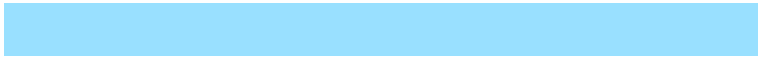
57.8425, 67.3036, 104.5500



74.8463, 67.3036, 59.3941

Square

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



57.8425, 67.3036, 104.5500



74.1168, 67.3036, 92.9613



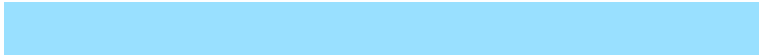
70.5158, 67.3036, 48.9672



54.7944, 67.3036, 56.5969

Rectangle

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



57.8425, 67.3036, 104.5500



67.3510, 67.3036, 109.7297



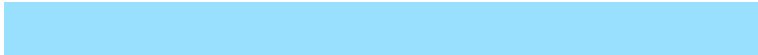
70.5158, 67.3036, 48.9672



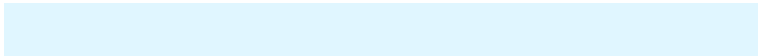
60.7042, 67.3036, 45.9574

Sweetspot

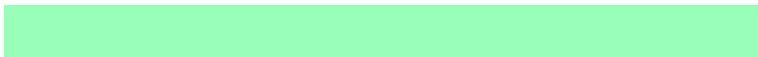
The Sweet Spot groups the original color and five complimentary colors.



57.8444, 67.3061, 104.5504



81.7794, 88.8609, 107.4494



57.5079, 81.7368, 57.8754



17.2192, 18.7756, 22.9664



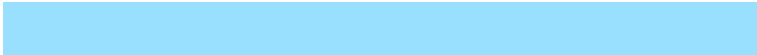
0.0000, 0.0000, 0.0000



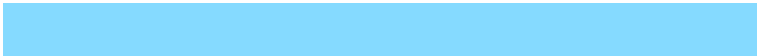
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8444, 67.3061, 104.5504



52.6802, 62.2148, 103.8399



46.2088, 44.0349, 100.6719



18.0616, 19.4949, 23.0609



17.8368, 20.5832, 52.4674



1.8331, 2.1969, 5.1407

Inverse Universe

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



66.0870, 49.4259, 76.5807



62.2020, 42.9774, 71.2117



76.5843, 82.7484, 42.0745



18.5438, 18.2008, 21.4805



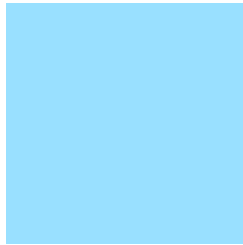
25.7914, 12.8059, 23.3497



2.5599, 1.2663, 2.5297

Previews

White Background



This preview shows how the XYZ color 57.8425, 67.3036, 104.5500 looks on a white background.

Color Contrast Check

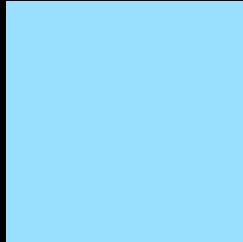
Large Text (above 18pt) WCAG AA × Fail

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 57.8425, 67.3036, 104.5500 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 57.8425, 67.3036, 104.5500

Background



This preview shows how black text looks on a background with the XYZ color 57.8425, 67.3036, 104.5500.

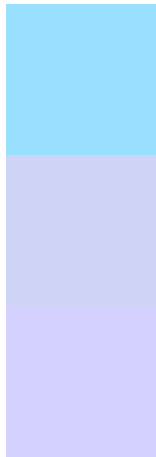


This preview shows how white text looks on a background with the XYZ color 57.8425, 67.3036,

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

57.8425, 67.3036, 104.5500

Protanopia

66.0641, 67.0678, 97.4591

Deuteranopia

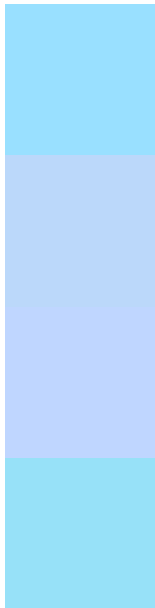
68.0018, 66.8180, 103.9208



Tritanopia

56.1032, 67.4084, 95.6421

Trichromacy



Original Color

57.8425, 67.3036, 104.5500

Protanomaly

62.3047, 66.5787, 100.0096

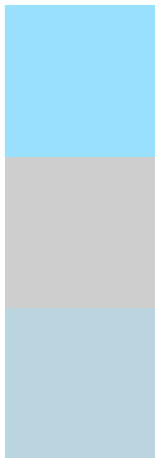
Deuteranomaly

63.5824, 66.3895, 104.0710

Tritanomaly

56.6310, 67.2070, 98.7944

Monochromacy



Original Color

57.8425, 67.3036, 104.5500

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

57.7423, 63.5351, 79.7412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8425, 67.3036, 104.5500 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(153, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 224, 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(153, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.8425, 67.3036, 104.5500 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(153, 224, 255) }
```


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

```
.border{ border-color:rgb(153, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8425, 67.3036, 104.5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 224, 255) }
```

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

```
.background{ background-color: rgb(153,  
224, 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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