

Converting Colors

XYZ(61.2053, 67.9836,
118.8584)

Have a look what the booklet for
XYZ(61.2053, 67.9836, 118.8584)
contains.

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Color

**XYZ(58.4694, 66.8335,
104.4262)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDEFF
RGB	159, 222, 255
RGB Percent	62%, 87%, 100%
CMY	0.3765, 0.1294, 0.0000
CMYK	0.38, 0.13, 0.00, 0.00
HSL	201°, 100%, 81%
HSV	201°, 38%, 100%
XYZ	58.4694, 66.8335, 104.4262
YIQ	206.9250, -48.1410, -3.0930

Conversions

Conversions Part 2

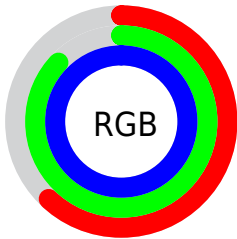
Format	Color
R_{YB}	159, 197, 255
Decimal	10477311
CIE _{Lab}	85.42, -11.91, -22.37
CIE _{LCh}	85, 25.347, 241.960
Yxy	66.8335, 0.2545, 0.2909
Android (android.graphics.Color)	4288667391 (0xFF9FDEFF)
YUV	206.9250, 23.7010, -42.0302
Hunter-Lab	81.7518, -15.4012, -18.5083

Details

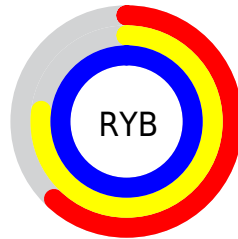
The XYZ color **58.4694, 66.8335, 104.4262** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.3482, 61.4629, 41.1695**, and the grayscale version is **59.1361, 62.2157, 67.7529**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **29.6053, 34.5982, 58.5438** is the 20% darker color. If you saturate the color by 10%, you get **51.6571, 59.9565, 103.4579**, and if you desaturate by 10%, it is **66.4495, 74.4953, 105.4845**.

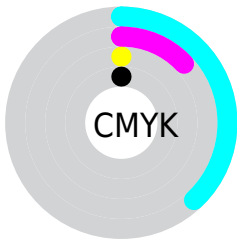
Distribution



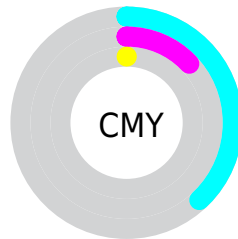
- Red (62%)
- Green (87%)
- Blue (100%)



- Red (62%)
- Yellow (77%)
- Blue (100%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4694, 66.8335, 104.4262 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 58.4694, 66.8335, 104.4262 by changing the saturation by 10% instead.

■ 58.4694, 66.8335,
104.4262

■ 58.4694, 66.8335,
104.4262

408.8585,
449.3519, 595.6596

■ 42.4309, 48.9493,
79.3648

■ 101.7251,
114.6818, 169.3313

■ 29.6314, 34.5793,
58.6727

■ 129.6731,
145.4147, 210.0121

■ 19.7057, 23.3390,
41.9314

162.3215,
181.1993, 256.7364

■ 12.2883, 14.8440,
28.7224

200.0357,
222.4201, 309.9228

■ 7.0139, 8.7100,
18.6272

243.1812,
269.4613, 369.9897

■ 3.5172, 4.5525,
11.2271

292.1233,

■ 1.4328, 1.9872,

322.7074, 437.3558

6.1037

347.2272,
382.5428, 512.4396

■ 0.2794, 0.6000,
2.8384

■ 0.0000, 0.0000,
1.0127

■ 58.4694, 66.8335,
104.4262

■ 58.4694, 66.8335,
104.4262

■ 51.6571, 59.9565,
103.4579

■ 66.4495, 74.4953,
105.4845

■ 45.9406, 53.8198,
102.5747

■ 75.6527, 82.9684,
106.6349

■ 41.2480, 48.3852,
101.7730

■ 86.1371, 92.2869,
107.8810

■ 37.4960, 43.6068,
101.0485

95.0500, 100.0000,
108.9000

■ 34.5864, 39.4312,
100.3958

■ 32.3902, 35.7889,
99.8085

■ 31.9329, 34.9858,
99.6776

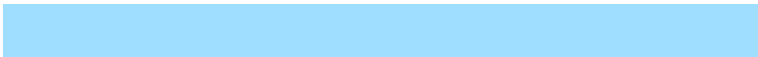
Harmonies

Analogous

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



54.6024, 66.8335, 90.8389



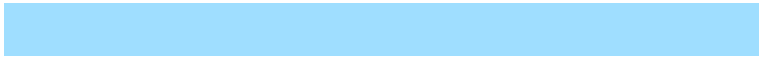
58.4694, 66.8335, 104.4262



63.9020, 66.8335, 109.1991

Triad

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



58.4694, 66.8335, 104.4262



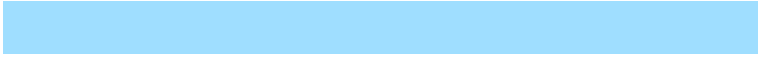
75.2184, 66.8335, 71.6932



57.8521, 66.8335, 49.0890

Complementary

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



58.4694, 66.8335, 104.4262



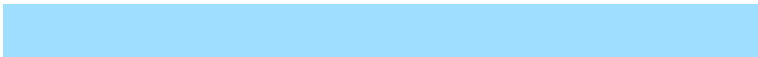
66.3482, 61.4629, 41.1695

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.



63.1460, 66.8335, 45.5046



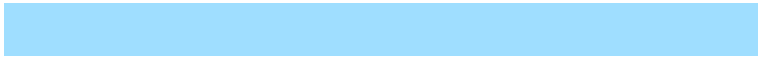
58.4694, 66.8335, 104.4262



73.3664, 66.8335, 57.2722

Square

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



58.4694, 66.8335, 104.4262



73.7832, 66.8335, 88.6825



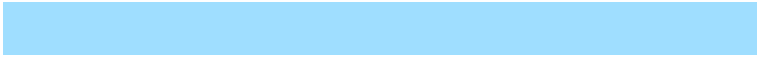
68.8602, 66.8335, 48.2611



54.2614, 66.8335, 58.8853

Rectangle

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



58.4694, 66.8335, 104.4262



67.7455, 66.8335, 106.2411



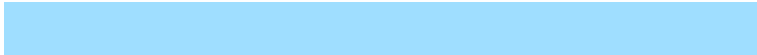
68.8602, 66.8335, 48.2611



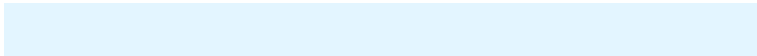
59.4801, 66.8335, 47.1905

Sweetspot

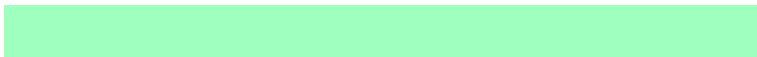
The Sweet Spot groups the original color and five complimentary colors.



58.4713, 66.8360, 104.4266



82.4738, 89.0647, 107.4521



59.4633, 82.6531, 62.1116



17.3449, 18.7907, 22.9627



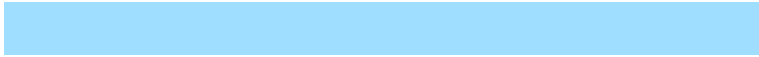
0.0000, 0.0000, 0.0000



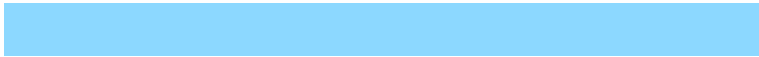
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4713, 66.8360, 104.4266



53.3500, 61.7025, 103.7057



47.6797, 45.2528, 100.8294



17.9984, 19.3684, 23.0398



16.8302, 18.5699, 52.1319



1.7405, 2.0117, 5.1098

Inverse Universe

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



66.8243, 51.3320, 75.4960



62.9922, 45.0243, 70.0367



78.3651, 85.4968, 45.1752



18.5118, 18.1880, 21.3124



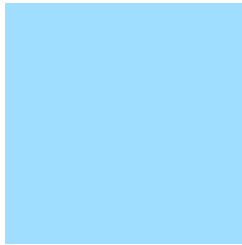
25.2833, 12.6026, 20.6741



2.5131, 1.2476, 2.2836

Previews

White Background



This preview shows how the XYZ color 58.4694, 66.8335, 104.4262 looks on a white background.

Color Contrast Check

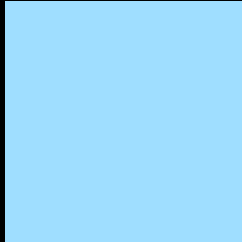
Large Text (above 18pt) WCAG AA × Fail

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 58.4694, 66.8335, 104.4262 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 58.4694, 66.8335, 104.4262

Background



This preview shows how black text looks on a background with the XYZ color 58.4694, 66.8335, 104.4262.

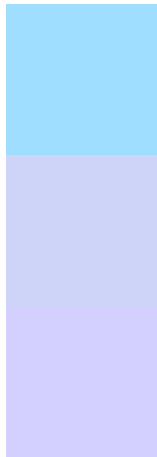


This preview shows how white text looks on a background with the XYZ color 58.4694, 66.8335,

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

58.4694, 66.8335, 104.4262

Protanopia

65.6911, 66.4877, 98.1780

Deuteranopia

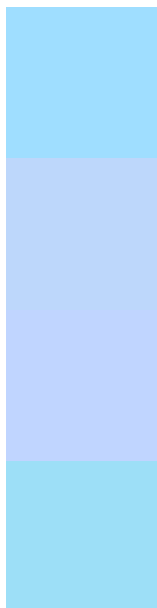
67.4698, 66.1806, 103.8258



Tritanopia

56.3930, 66.7900, 93.9239

Trichromacy



Original Color

58.4694, 66.8335, 104.4262

Protanomaly

62.6993, 66.3847, 100.7757

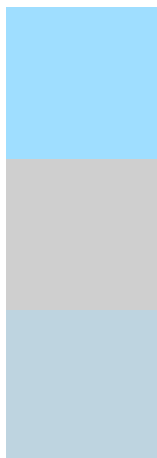
Deuteranomaly

63.5825, 66.0150, 103.9987

Tritanomaly

57.0808, 66.6589, 97.8537

Monochromacy



Original Color

58.4694, 66.8335, 104.4262

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.2332, 63.4159, 79.6923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4694, 66.8335, 104.4262 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(159, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 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(159, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.4694, 66.8335, 104.4262 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(159, 222, 255) }
```


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

```
.border{ border-color:rgb(159, 222, 255) }
```

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

Here you see how a box with a 4 pixel rgb(159, 222, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4694, 66.8335, 104.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 255) }
```

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

```
.background{ background-color: rgb(159,  
222, 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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