

Converting Colors

XYZ(58.9028, 67.0506,
107.2969)

Have a look what the booklet for
XYZ(58.9028, 67.0506, 107.2969)
contains.

XYZ(58.2718, 66.7317, 104.4170)	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(58.2718, 66.7317,
104.4170)**

Conversions

Conversions Part 1

Format	Color
Hex	9EDEFB
RGB	158, 222, 255
RGB Percent	62%, 87%, 100%
CMY	0.3804, 0.1294, 0.0000
CMYK	0.38, 0.13, 0.00, 0.00
HSL	200°, 100%, 81%
HSV	200°, 38%, 100%
XYZ	58.2718, 66.7317, 104.4170
YIQ	206.6260, -48.7370, -3.3050

Conversions

Conversions Part 2

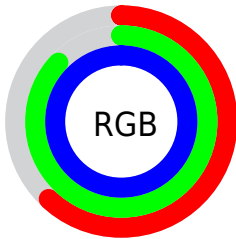
Format	Color
R _Y B	158, 197, 255
Decimal	10411775
CIE Lab	85.37, -12.17, -22.45
CIE LCh	85, 25.542, 241.538
Yxy	66.7317, 0.2540, 0.2909
Android (android.graphics.Color)	4288601855 (0xFF9EDEF)
YUV	206.6260, 23.8484, -42.6450
Hunter-Lab	81.6895, -15.6266, -18.6029

Details

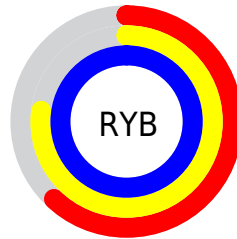
The XYZ color **58.2718, 66.7317, 104.4170** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.0427, 60.9903, 40.6410**, and the grayscale version is **58.9433, 62.0130, 67.5321**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **29.4912, 34.5394, 58.5385** is the 20% darker color. If you saturate the color by 10%, you get **51.5219, 59.9207, 103.4581**, and if you desaturate by 10%, it is **66.1846, 74.3213, 105.4649**.

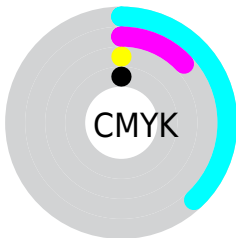
Distribution



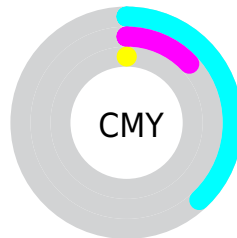
- Red (62%)
- Green (87%)
- Blue (100%)



- 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 58.2718, 66.7317, 104.4170 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 58.2718, 66.7317, 104.4170 by changing the saturation by 10% instead.

■ 58.2718, 66.7317,
104.4170

■ 58.2718, 66.7317,
104.4170

408.1355,
448.9892, 595.6303

■ 42.2713, 48.8666,
79.3571

■ 101.4392,
114.5359, 169.3186

■ 29.5058, 34.5137,
58.6664

■ 129.3369,
145.2438, 209.9975

■ 19.6100, 23.2885,
41.9264

161.9310,
181.0014, 256.7197

■ 12.2185, 14.8067,
28.7185

199.5869,
222.1931, 309.9038

■ 6.9659, 8.6838,
18.6242

242.6700,
269.2034, 369.9683

■ 3.4869, 4.5355,
11.2250

291.5455,

■ 1.4162, 1.9774,

322.4165, 437.3319

6.1023

346.5789,
382.2170, 512.4130

■ 0.2677, 0.5943,
2.8376

■ 0.0000, 0.0000,
1.0123

■ 58.2718, 66.7317,
104.4170

■ 58.2718, 66.7317,
104.4170

■ 51.5219, 59.9207,
103.4581

■ 66.1846, 74.3213,
105.4649

■ 45.8627, 53.8438,
102.5834

■ 75.3156, 82.7159,
106.6039

■ 41.2222, 48.4627,
101.7893

■ 85.7233, 91.9497,
107.8377

■ 37.5164, 43.7314,
101.0714

95.0500, 100.0000,
108.9000

■ 34.6466, 39.5963,
100.4245

■ 32.4793, 35.9855,
99.8418

■ 32.0997, 35.3194,
99.7332

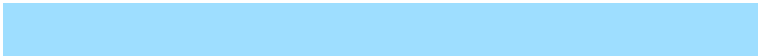
Harmonies

Analogous

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



54.4108, 66.7317, 90.6282



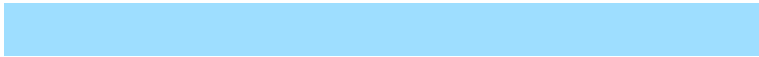
58.2718, 66.7317, 104.4170



63.7255, 66.7317, 109.3823

Triad

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



58.2718, 66.7317, 104.4170



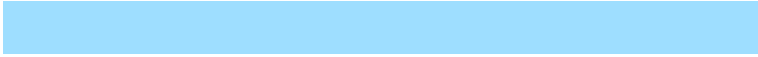
75.2079, 66.7317, 71.8078



57.7845, 66.7317, 48.7504

Complementary

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



58.2718, 66.7317, 104.4170



66.0427, 60.9903, 40.6410

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.



63.1284, 66.7317, 45.2408



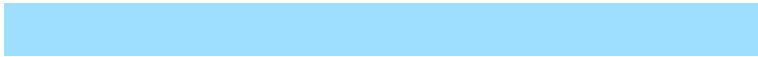
58.2718, 66.7317, 104.4170



73.3868, 66.7317, 57.2382

Square

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



58.2718, 66.7317, 104.4170



73.7163, 66.7317, 88.9230



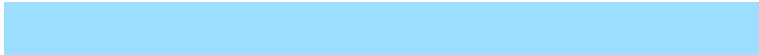
68.8765, 66.7317, 48.0981



54.1417, 66.7317, 58.5107

Rectangle

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



58.2718, 66.7317, 104.4170



67.5982, 66.7317, 106.5013



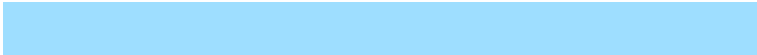
68.8765, 66.7317, 48.0981



59.4300, 66.7317, 46.8736

Sweetspot

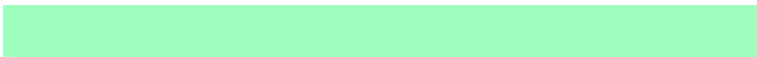
The Sweet Spot groups the original color and five complimentary colors.



58.2737, 66.7342, 104.4174



82.5039, 89.1251, 107.4622



59.1924, 82.5219, 61.7165



17.3521, 18.8051, 22.9651



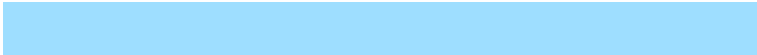
0.0000, 0.0000, 0.0000



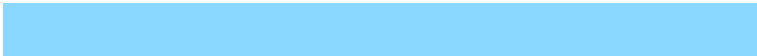
20.3446, 21.4041, 23.3091

Same Dimension

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



58.2737, 66.7342, 104.4174



52.8068, 61.2481, 103.6466



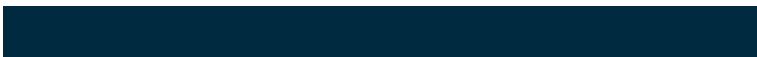
47.3202, 44.8273, 100.7662



18.0040, 19.3796, 23.0417



16.9168, 18.7432, 52.1608



1.7485, 2.0278, 5.1125

Inverse Universe

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



66.6529, 50.9892, 75.4390



62.5637, 44.2623, 69.6014



78.2298, 85.3646, 44.7034



18.5147, 18.1892, 21.3274



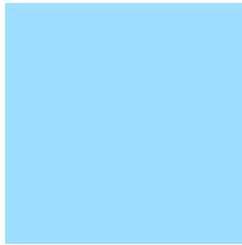
25.3270, 12.6201, 20.9044



2.5172, 1.2492, 2.3049

Previews

White Background



This preview shows how the XYZ color 58.2718, 66.7317, 104.4170 looks on a white background.

Color Contrast Check

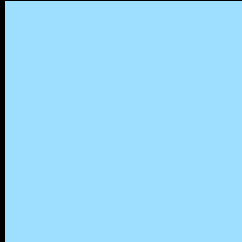
Large Text (above 18pt) WCAG AA × Fail

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 58.2718, 66.7317, 104.4170 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 58.2718, 66.7317, 104.4170

Background



This preview shows how black text looks on a background with the XYZ color 58.2718, 66.7317, 104.4170.

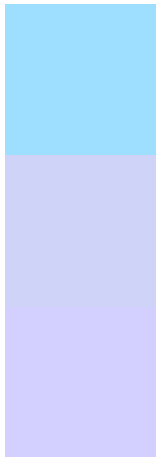


This preview shows how white text looks on a background with the XYZ color 58.2718, 66.7317,

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

58.2718, 66.7317, 104.4170

Protanopia

65.5364, 66.4257, 97.3630

Deuteranopia

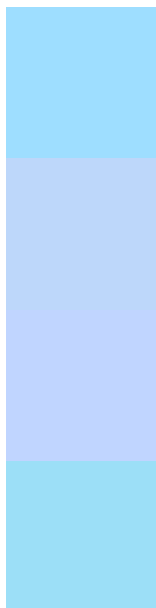
67.4698, 66.1806, 103.8258



Tritanopia

56.2002, 66.6907, 93.9149

Trichromacy



Original Color

58.2718, 66.7317, 104.4170

Protanomaly

62.5420, 66.3218, 99.9476

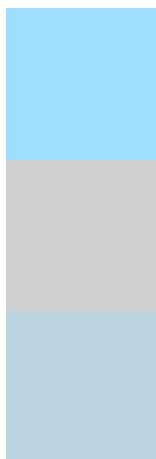
Deuteranomaly

63.5825, 66.0150, 103.9987

Tritanomaly

56.8865, 66.5587, 97.8446

Monochromacy



Original Color

58.2718, 66.7317, 104.4170

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.9843, 63.2876, 79.6806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2718, 66.7317, 104.4170 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(158, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2718, 66.7317, 104.4170 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(158, 222, 255) }
```


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

```
.border{ border-color:rgb(158, 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(158, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2718, 66.7317, 104.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 222, 255) }
```

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

```
.background{ background-color: rgb(158,  
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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