

Converting Colors

XYZ(58.8853, 65.6235,
104.1708)

Have a look what the booklet for
XYZ(58.8853, 65.6235, 104.1708)
contains.

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Color

**XYZ(58.8473, 65.4698,
104.1431)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DAFF
RGB	166, 218, 255
RGB Percent	65%, 85%, 100%
CMY	0.3490, 0.1451, 0.0000
CMYK	0.35, 0.15, 0.00, 0.00
HSL	205°, 100%, 83%
HSV	205°, 35%, 100%
XYZ	58.8473, 65.4698, 104.1431
YIQ	206.6700, -42.8690, 0.4830

Conversions

Conversions Part 2

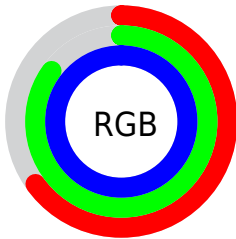
Format	Color
RYB	166, 199, 255
Decimal	10935039
CIELab	84.73, -8.01, -23.39
CIELCh	85, 24.723, 251.103
Yxy	65.4698, 0.2576, 0.2866
Android (android.graphics.Color)	4289125119 (0xFFA6DAFF)
YUV	206.6700, 23.8267, -35.6676
Hunter-Lab	80.9134, -11.7777, -19.6724

Details

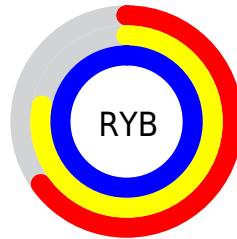
The XYZ color **58.8473, 65.4698, 104.1431** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.4793, 66.7252, 45.2956**, and the grayscale version is **58.9690, 62.0399, 67.5615**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **29.8458, 33.6511, 58.3484** is the 20% darker color. If you saturate the color by 10%, you get **51.3610, 57.6607, 103.0304**, and if you desaturate by 10%, it is **67.5728, 74.1818, 105.3648**.

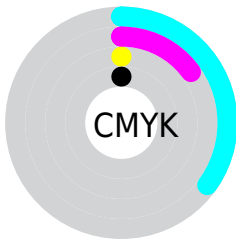
Distribution



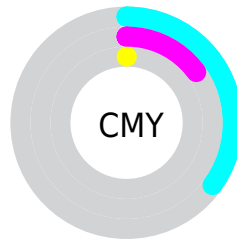
- Red (65%)
- Green (85%)
- Blue (100%)



- Red (65%)
- Yellow (78%)
- Blue (100%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8473, 65.4698, 104.1431 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 58.8473, 65.4698, 104.1431 by changing the saturation by 10% instead.

■ 58.8473, 65.4698,
104.1431

■ 58.8473, 65.4698,
104.1431

410.2390,
444.4783, 594.7555

■ 42.7361, 47.8421,
79.1290

■ 102.2716,
112.7250, 168.9405

■ 29.8717, 33.7019,
58.4799

■ 130.3154,
143.1213, 209.5610

■ 19.8888, 22.6647,
41.7774

163.0675,
178.5427, 256.2206

■ 12.4221, 14.3461,
28.6027

200.8931,
219.3734, 309.3379

■ 7.1060, 8.3618,
18.5375

244.1578,
265.9980, 369.3316

■ 3.5754, 4.3273,
11.1632

293.2267,

■ 1.4649, 1.8583,

318.8007, 436.6200

6.0611

348.4653,
378.1660, 511.6218

■ 0.3017, 0.5231,
2.8129

■ 0.0000, 0.0000,
0.9999

■ 58.8473, 65.4698,
104.1431

■ 58.8473, 65.4698,
104.1431

■ 51.3610, 57.6607,
103.0304

■ 67.5728, 74.1818,
105.3648

■ 45.0423, 50.7082,
102.0214

■ 77.5930, 83.8254,
106.6981

■ 39.8200, 44.5721,
101.1123

■ 88.9663, 94.4369,
108.1468

■ 35.6120, 39.2050,
100.2981

■ 95.0500, 100.0000,
108.9000

■ 32.3235, 34.5525,
99.5734

■ 29.8380, 30.5494,
98.9317

■ 28.7967, 28.7134,
98.6322

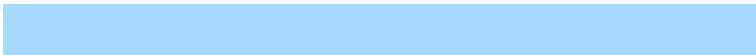
Harmonies

Analogous

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



54.5555, 65.4698, 93.2319



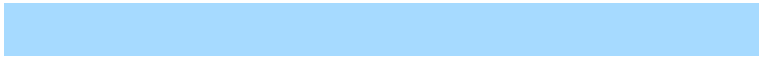
58.8473, 65.4698, 104.1431



64.2967, 65.4698, 105.5282

Triad

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



58.8473, 65.4698, 104.1431



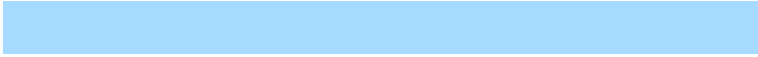
73.2523, 65.4698, 65.5819



55.4968, 65.4698, 50.7173

Complementary

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



58.8473, 65.4698, 104.1431



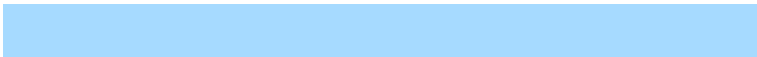
69.4793, 66.7252, 45.2956

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.



60.2023, 65.4698, 45.3896



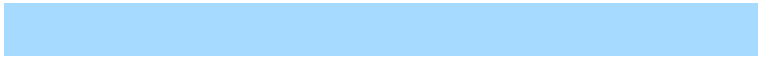
58.8473, 65.4698, 104.1431



70.5861, 65.4698, 53.0854

Square

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



58.8473, 65.4698, 104.1431



72.8362, 65.4698, 81.6073



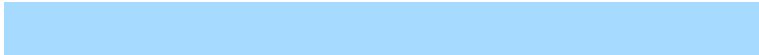
65.7339, 65.4698, 46.1869



52.7017, 65.4698, 61.8729

Rectangle

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



58.8473, 65.4698, 104.1431



67.8816, 65.4698, 100.6603



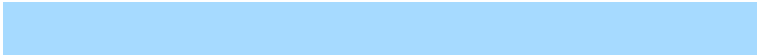
65.7339, 65.4698, 46.1869



56.8956, 65.4698, 48.2658

Sweetspot

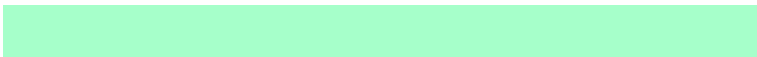
The Sweet Spot groups the original color and five complimentary colors.



58.8491, 65.4723, 104.1435



82.9939, 88.9025, 107.3934



62.1004, 83.8729, 68.5467



17.4254, 18.7120, 22.9433



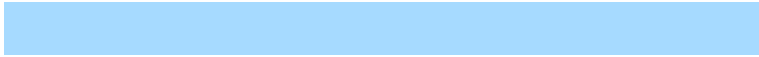
0.0000, 0.0000, 0.0000



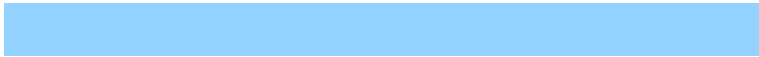
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8491, 65.4723, 104.1435



53.4095, 59.8362, 103.3423



49.0879, 45.9499, 100.8897



17.8849, 19.1415, 23.0020



15.1977, 15.3051, 51.5878



1.5877, 1.7060, 5.0589

Inverse Universe

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



67.5323, 53.5961, 73.1181



63.5067, 47.0855, 67.0267



81.1096, 89.9860, 49.1724



18.4546, 18.1651, 21.0109



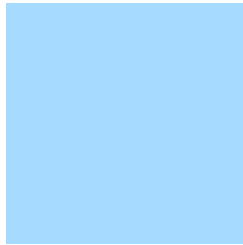
24.4593, 12.2730, 16.3351



2.4360, 1.2168, 1.8773

Previews

White Background



This preview shows how the XYZ color 58.8473, 65.4698, 104.1431 looks on a white background.

Color Contrast Check

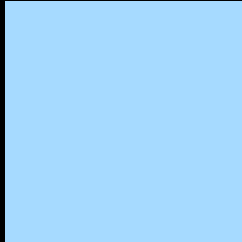
Large Text (above 18pt) WCAG AA × Fail

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 58.8473, 65.4698, 104.1431 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

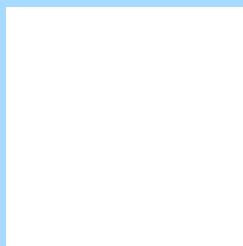
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8473, 65.4698, 104.1431

Background



This preview shows how black text looks on a background with the XYZ color 58.8473, 65.4698, 104.1431.

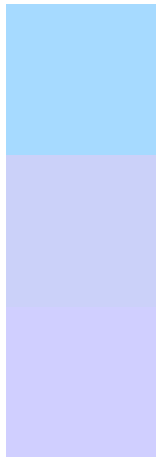


This preview shows how white text looks on a background with the XYZ color 58.8473, 65.4698,

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

58.8473, 65.4698, 104.1431

Protanopia

64.5279, 65.1370, 98.7942

Deuteranopia

66.3752, 65.2555, 103.7050



Tritanopia

56.3367, 65.6263, 91.3592

Trichromacy



Original Color

58.8473, 65.4698, 104.1431

Protanomaly

62.1913, 64.9992, 100.5350

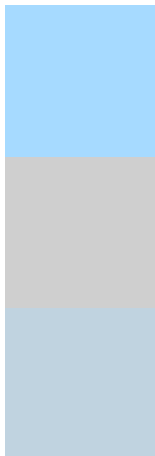
Deuteranomaly

63.3366, 65.1460, 103.8440

Tritanomaly

57.1789, 65.5655, 96.0280

Monochromacy



Original Color

58.8473, 65.4698, 104.1431

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.4870, 63.1768, 79.6328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8473, 65.4698, 104.1431 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(166, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 218, 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(166, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8473, 65.4698, 104.1431 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(166, 218, 255) }
```


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

```
.border{ border-color:rgb(166, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8473, 65.4698, 104.1431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 218, 255) }
```

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

```
.background{ background-color: rgb(166,  
218, 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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