

Converting Colors

XYZ(58.7715, 65.3273,
100.7796)

Have a look what the booklet for
XYZ(58.7715, 65.3273, 100.7796)
contains.

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Color

**XYZ(58.8462, 65.5429,
100.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	A9DAFB
RGB	169, 218, 251
RGB Percent	66%, 85%, 98%
CMY	0.3372, 0.1451, 0.0157
CMYK	0.33, 0.13, 0.00, 0.02
HSL	204°, 91%, 82%
HSV	204°, 33%, 98%
XYZ	58.8462, 65.5429, 100.8163
YIQ	207.1110, -39.7970, -0.1250

Conversions

Conversions Part 2

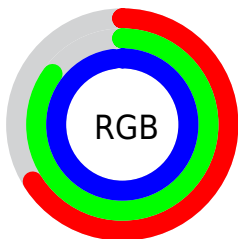
Format	Color
RYB	169, 200, 251
Decimal	11131643
CIELab	84.76, -8.17, -21.20
CIELCh	85, 22.725, 248.926
Yxy	65.5429, 0.2613, 0.2910
Android (android.graphics.Color)	4289321723 (0xFFA9DAFB)
YUV	207.1110, 21.6373, -33.4233
Hunter-Lab	80.9586, -11.9315, -17.1618

Details

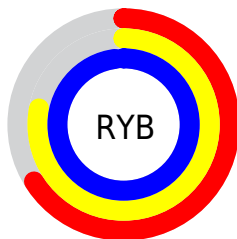
The XYZ color **58.8462, 65.5429, 100.8163** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.0667, 65.6157, 46.6155**, and the grayscale version is **59.2647, 62.3511, 67.9004**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **29.7742, 33.6668, 55.9680** is the 20% darker color. If you saturate the color by 10%, you get **51.4299, 57.9504, 99.7428**, and if you desaturate by 10%, it is **67.4598, 73.9927, 101.9944**.

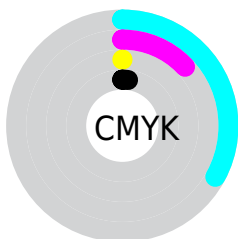
Distribution



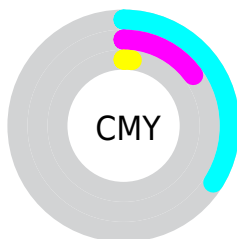
- Red (66%)
- Green (85%)
- Blue (98%)



- Red (66%)
- Yellow (78%)
- Blue (98%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8462, 65.5429, 100.8163 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 58.8462, 65.5429, 100.8163 by changing the saturation by 10% instead.

■ 58.8462, 65.5429,
100.8163

■ 58.8462, 65.5429,
100.8163

410.2349,
444.7404, 584.0757

■ 42.7352, 47.9014,
76.3618

■ 102.2700,
112.8300, 164.3402

■ 29.8710, 33.7488,
56.2208

130.3135,
143.2445, 204.2466

■ 19.8883, 22.7007,
39.9748

163.0653,
178.6854, 250.1407

■ 12.4217, 14.3727,
27.2052

200.8906,
219.5371, 302.4410

■ 7.1058, 8.3803,
17.4936

244.1549,
266.1841, 361.5662

■ 3.5753, 4.3393,
10.4214

293.2235,

■ 1.4648, 1.8651,

319.0107, 427.9346

5.5700

348.4617,
378.4013, 501.9649

■ 0.3017, 0.5273,
2.5209

■ 0.0000, 0.0000,
0.8512

■ 58.8462, 65.5429,
100.8163

■ 58.8462, 65.5429,
100.8163

■ 51.4299, 57.9504,
99.7428

■ 67.4598, 73.9927,
101.9944

■ 45.1426, 51.1712,
98.7657

■ 77.3220, 83.3257,
103.2761

■ 39.9181, 45.1684,
97.8824

■ 88.4883, 93.5759,
104.6660

■ 35.6801, 39.8982,
97.0885

■ 94.4128, 99.7451,
105.5446

■ 32.3409, 35.3108,
96.3790

■ 29.7946, 31.3471,
95.7482

■ 28.3182, 28.7759,
95.3297

Harmonies

Analogous

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



54.9947, 65.5429, 90.4468



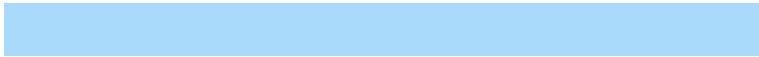
58.8462, 65.5429, 100.8163



63.8261, 65.5429, 102.7599

Triad

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



58.8462, 65.5429, 100.8163



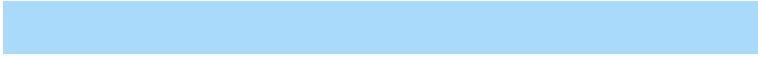
72.4646, 65.5429, 67.1075



56.3523, 65.5429, 51.7202

Complementary

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



58.8462, 65.5429, 100.8163



68.0667, 65.6157, 46.6155

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.



60.7916, 65.5429, 47.1203



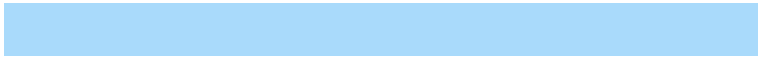
58.8462, 65.5429, 100.8163



70.2177, 65.5429, 55.1757

Square

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



58.8462, 65.5429, 100.8163



71.8738, 65.5429, 81.9160



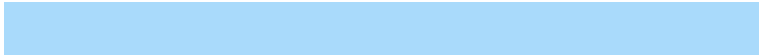
65.8792, 65.5429, 48.2930



53.6103, 65.5429, 61.7614

Rectangle

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



58.8462, 65.5429, 100.8163



67.1469, 65.5429, 98.7896



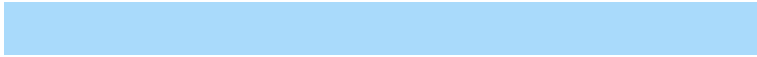
65.8792, 65.5429, 48.2930



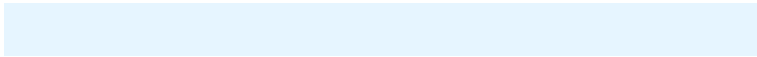
57.6856, 65.5429, 49.5530

Sweetspot

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



58.8482, 65.5455, 100.8178



83.0962, 89.1070, 107.4275



61.4979, 81.6856, 68.2804



17.4501, 18.7615, 22.9516



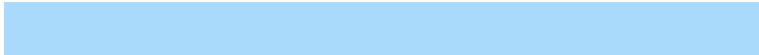
0.0000, 0.0000, 0.0000



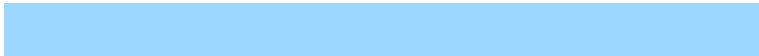
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8482, 65.5455, 100.8178



55.9686, 62.8336, 103.7860



49.5381, 46.9253, 97.7144



17.1457, 18.3682, 22.0270



15.0316, 15.4187, 50.1574



1.4960, 1.6357, 4.6801

Inverse Universe

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



66.6282, 53.9490, 73.2340



65.3162, 49.7914, 70.4444



78.9372, 87.3567, 50.2390



17.6801, 17.3994, 20.1710



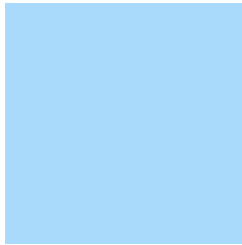
23.8793, 11.9674, 16.6046



2.2641, 1.1294, 1.8139

Previews

White Background



This preview shows how the XYZ color 58.8462, 65.5429, 100.8163 looks on a white background.

Color Contrast Check

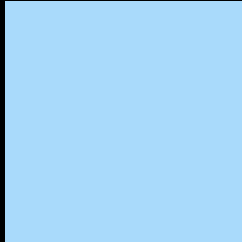
Large Text (above 18pt) WCAG AA × Fail

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 58.8462, 65.5429, 100.8163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

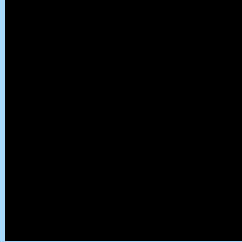
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8462, 65.5429, 100.8163

Background



This preview shows how black text looks on a background with the XYZ color 58.8462, 65.5429, 100.8163.

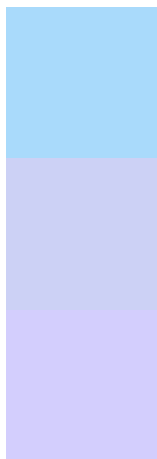


This preview shows how white text looks on a background with the XYZ color 58.8462, 65.5429,

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

58.8462, 65.5429, 100.8163

Protanopia

64.1837, 65.0309, 95.5556

Deuteranopia

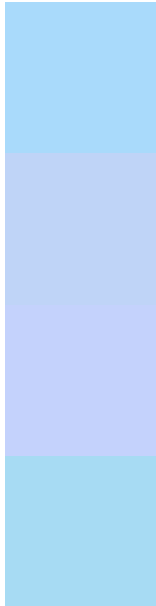
66.6649, 65.0833, 101.9772



Tritanopia

56.7517, 65.4664, 90.5341

Trichromacy



Original Color

58.8462, 65.5429, 100.8163

Protanomaly

61.8178, 64.8787, 97.2604

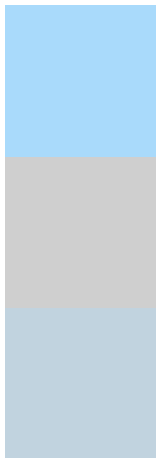
Deuteranomaly

63.3822, 64.8572, 101.2736

Tritanomaly

57.4455, 65.3496, 94.3801

Monochromacy



Original Color

58.8462, 65.5429, 100.8163

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.6059, 63.2537, 78.9324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8462, 65.5429, 100.8163 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(169, 218, 251)` looks like.

```
.text, #text, p{  
    color:rgb(169, 218, 251)  
}
```

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(169, 218, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 218, 251) }
```

Border

The CSS property to change the border of an element to XYZ 58.8462, 65.5429, 100.8163 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(169, 218, 251) }
```


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

```
.border{ border-color:rgb(169, 218, 251) }
```

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

Here you see how a box with a 4 pixel rgb(169, 218, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 218, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 218, 251);  
box-shadow:4px 4px 4px 4px rgb(169, 218,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8462, 65.5429, 100.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 218, 251) }
```

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

```
.background{ background-color: rgb(169,  
218, 251) }
```

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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