

Converting Colors

XYZ(58.4857, 64.1535,
114.3039)

Have a look what the booklet for
XYZ(58.4857, 64.1535, 114.3039)
contains.

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Color

**XYZ(56.5105, 63.4998,
103.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	9DD8FF
RGB	157, 216, 255
RGB Percent	62%, 85%, 100%
CMY	0.3843, 0.1529, 0.0000
CMYK	0.38, 0.15, 0.00, 0.00
HSL	204°, 100%, 81%
HSV	204°, 38%, 100%
XYZ	56.5105, 63.4998, 103.8860
YIQ	202.8050, -47.6830, -0.3790

Conversions

Conversions Part 2

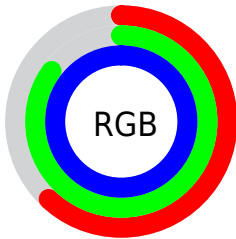
Format	Color
RYB	157, 194, 255
Decimal	10344703
CIELab	83.70, -9.33, -24.99
CIELCh	84, 26.671, 249.535
Yxy	63.4998, 0.2524, 0.2836
Android (android.graphics.Color)	4288534783 (0xFF9DD8FF)
YUV	202.8050, 25.7321, -40.1710
Hunter-Lab	79.6868, -12.8671, -21.5144

Details

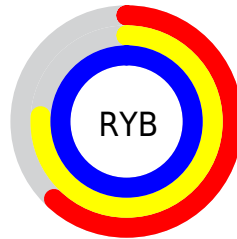
The XYZ color **56.5105, 63.4998, 103.8860** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.0663, 63.1747, 40.5594**, and the grayscale version is **56.5092, 59.4521, 64.7433**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **28.3047, 32.3337, 58.1753** is the 20% darker color. If you saturate the color by 10%, you get **49.5251, 56.1591, 102.8373**, and if you desaturate by 10%, it is **64.6982, 71.7016, 105.0376**.

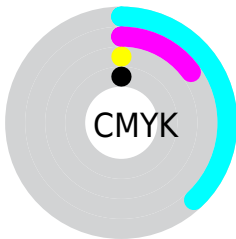
Distribution



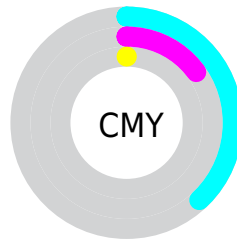
- Red (62%)
- Green (85%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5105, 63.4998, 103.8860 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 56.5105, 63.4998, 103.8860 by changing the saturation by 10% instead.

■ 56.5105, 63.4998,
103.8860

■ 56.5105, 63.4998,
103.8860

401.6564,
437.3811, 593.9337

■ 40.8510, 46.2457,
78.9149

■ 98.8861, 109.8903,
168.5855

■ 28.3898, 32.4397,
58.3050

■ 126.3328,
139.7954, 209.1511

■ 18.7617, 21.6976,
41.6376

158.4394,
174.6862, 255.7519

■ 11.6012, 13.6349,
28.4941

195.5711,
214.9473, 308.8066

■ 6.5430, 7.8671,
18.4562

238.0933,
260.9629, 368.7335

■ 3.2217, 4.0101,
11.1052

286.3713,

■ 1.2721, 1.6792,

313.1175, 435.9513

6.0226

340.7706,
371.7954, 510.8786

■ 0.1622, 0.4101,
2.7898

■ 0.0000, 0.0000,
0.9883

■ 56.5105, 63.4998,
103.8860

■ 56.5105, 63.4998,
103.8860

■ 49.5251, 56.1591,
102.8373

■ 64.6982, 71.7016,
105.0376

■ 43.6687, 49.6330,
101.8863

■ 74.1452, 80.7935,
106.2946

■ 38.8676, 43.8808,
101.0290

■ 84.9108, 90.8119,
107.6609

■ 35.0364, 38.8536,
100.2606

95.0500, 100.0000,
108.9000

■ 32.0743, 34.4951,
99.5755

■ 29.8413, 30.7281,
98.9661

■ 29.5274, 30.1748,
98.8758

Harmonies

Analogous

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



52.0966, 63.4998, 91.7155



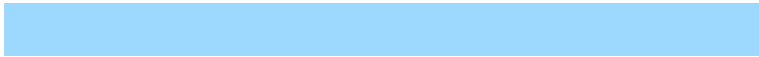
56.5105, 63.4998, 103.8860



62.2353, 63.4998, 105.9811

Triad

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



56.5105, 63.4998, 103.8860



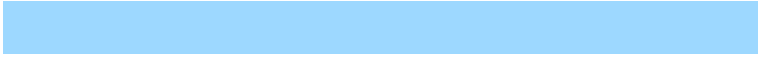
72.1284, 63.4998, 63.9454



53.4806, 63.4998, 47.1723

Complementary

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



56.5105, 63.4998, 103.8860



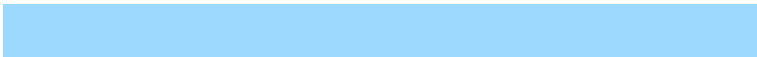
67.0663, 63.1747, 40.5594

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.



58.5123, 63.4998, 42.0118



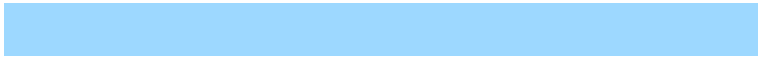
56.5105, 63.4998, 103.8860



69.4423, 63.4998, 50.6118

Square

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



56.5105, 63.4998, 103.8860



71.5063, 63.4998, 81.0136



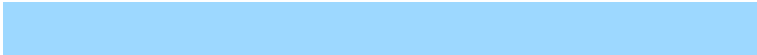
64.3693, 63.4998, 43.1603



50.4272, 63.4998, 58.4881

Rectangle

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



56.5105, 63.4998, 103.8860



66.0652, 63.4998, 101.0899



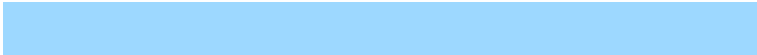
64.3693, 63.4998, 43.1603



54.9831, 63.4998, 44.7504

Sweetspot

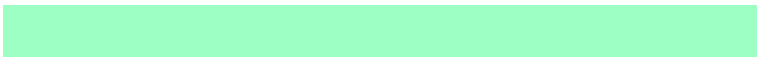
The Sweet Spot groups the original color and five complimentary colors.



56.5123, 63.5022, 103.8864



80.9123, 87.1266, 107.1603



59.4672, 82.6092, 64.1858



17.0147, 18.3665, 22.8983



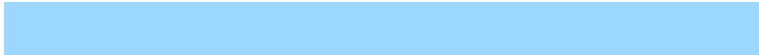
0.0000, 0.0000, 0.0000



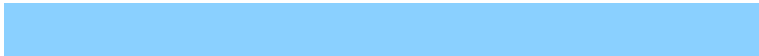
20.3446, 21.4041, 23.3091

Same Dimension

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



56.5123, 63.5022, 103.8864



51.1160, 57.8665, 103.0830



46.0390, 42.5555, 100.3953



17.9128, 19.1973, 23.0113



15.5787, 16.0669, 51.7147



1.6237, 1.7781, 5.0709

Inverse Universe

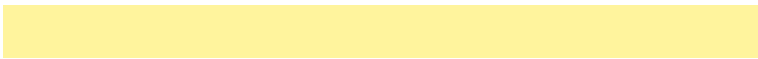
The Inverse Universe completely reimagines the original color for something new.



65.6929, 50.3335, 71.2212



61.7103, 43.9209, 65.1073



79.5468, 88.1357, 44.7196



18.4686, 18.1708, 21.0850



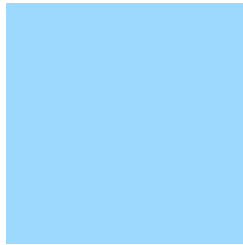
24.6516, 12.3499, 17.3476



2.4542, 1.2240, 1.9731

Previews

White Background



This preview shows how the XYZ color 56.5105, 63.4998, 103.8860 looks on a white background.

Color Contrast Check

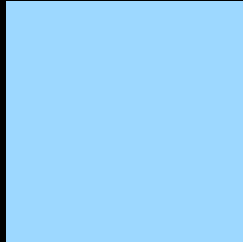
Large Text (above 18pt) WCAG AA × Fail

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 56.5105, 63.4998, 103.8860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

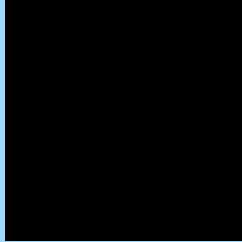
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5105, 63.4998, 103.8860

Background



This preview shows how black text looks on a background with the XYZ color 56.5105, 63.4998, 103.8860.

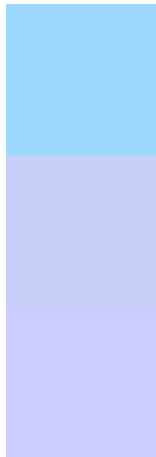


This preview shows how white text looks on a background with the XYZ color 56.5105, 63.4998,

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

56.5105, 63.4998, 103.8860

Protanopia

62.5678, 63.0620, 97.6815

Deuteranopia

64.2715, 63.1022, 103.4002



Tritanopia

53.5665, 63.4529, 89.5451

Trichromacy



Original Color

56.5105, 63.4998, 103.8860

Protanomaly

60.2263, 63.2486, 100.3007

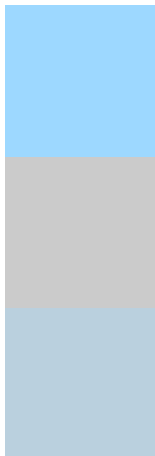
Deuteranomaly

60.8556, 62.7709, 103.5163

Tritanomaly

54.7270, 63.5445, 94.9688

Monochromacy



Original Color

56.5105, 63.4998, 103.8860

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.9904, 60.8248, 77.8966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5105, 63.4998, 103.8860 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(157, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 216, 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(157, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.5105, 63.4998, 103.8860 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(157, 216, 255) }
```


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

```
.border{ border-color:rgb(157, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5105, 63.4998, 103.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 216, 255) }
```

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

```
.background{ background-color: rgb(157,  
216, 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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