

Converting Colors

XYZ(51.0764, 56.6813, 99.9689)

Have a look what the booklet for
XYZ(51.0764, 56.6813, 99.9689)
contains.

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Color

**XYZ(51.2561, 56.8019,
100.3578)**

Conversions

Conversions Part 1

Format	Color
Hex	92CDFC
RGB	146, 205, 252
RGB Percent	57%, 80%, 99%
CMY	0.4274, 0.1961, 0.0118
CMYK	0.42, 0.19, 0.00, 0.01
HSL	207°, 95%, 78%
HSV	207°, 42%, 99%
XYZ	51.2561, 56.8019, 100.3578
YIQ	192.7170, -50.2510, 2.1090

Conversions

Conversions Part 2

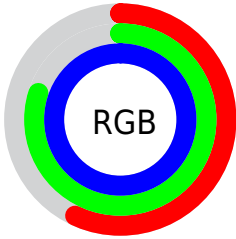
Format	Color
RYB	146, 184, 252
Decimal	9620988
CIELab	80.07, -7.11, -29.00
CIELCh	80, 29.861, 256.231
Yxy	56.8019, 0.2459, 0.2725
Android (android.graphics.Color)	4287811068 (0xFF92CDFC)
YUV	192.7170, 29.2265, -40.9708
Hunter-Lab	75.3670, -10.4969, -26.1929

Details

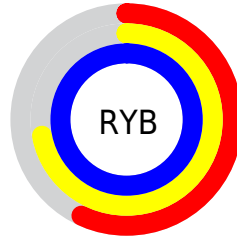
The XYZ color **51.2561, 56.8019, 100.3578** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.4046, 60.9123, 35.5589**, and the grayscale version is **50.3792, 53.0028, 57.7201**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **25.0368, 28.1972, 55.7528** is the 20% darker color. If you saturate the color by 10%, you get **44.6827, 49.5871, 99.3127**, and if you desaturate by 10%, it is **59.0114, 64.9118, 101.5154**.

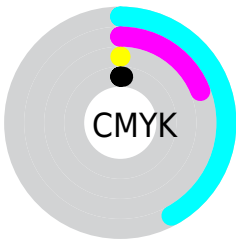
Distribution



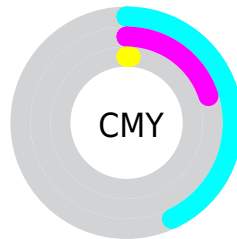
- Red (57%)
- Green (80%)
- Blue (99%)



- Red (57%)
- Yellow (72%)
- Blue (99%)



- Cyan (42%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (43%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2561, 56.8019, 100.3578 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 51.2561, 56.8019, 100.3578 by changing the saturation by 10% instead.

■ 51.2561, 56.8019,
100.3578

■ 51.2561, 56.8019,
100.3578

381.9293,
412.7066, 582.5957

■ 36.6343, 40.8462,
75.9808

■ 91.2140, 100.1761,
163.7050

■ 25.0969, 28.1989,
55.9102

■ 117.2808,
128.3634, 203.5122

■ 16.2784, 18.4757,
39.7274

147.8933,
161.3966, 249.3000

■ 9.8134, 11.2920,
27.0139

183.4169,
199.6603, 301.4869

■ 5.3368, 6.2636,
17.3512

224.2169,
243.5387, 360.4913

■ 2.4829, 3.0060,
10.3206

270.6588,

■ 0.8867, 1.1349,

293.4163, 426.7319

5.5036

323.1078,
349.6775, 500.6272

■ 0.0000, 0.0075,
2.4818

■ 0.0000, 0.0000,
0.8305

■ 51.2561, 56.8019,
100.3578

■ 51.2561, 56.8019,
100.3578

■ 44.6827, 49.5871,
99.3127

■ 59.0114, 64.9118,
101.5154

■ 39.2159, 43.2191,
98.3717

■ 68.0064, 73.9486,
102.7856

■ 34.7802, 37.6541,
97.5313

■ 78.3016, 83.9503,
104.1735

■ 31.2866, 32.8399,
96.7862

■ 89.9517, 94.9505,
105.6828

■ 28.6284, 28.7150,
96.1301

94.5709, 99.8084,
106.3770

■ 26.9879, 25.8624,
95.6660

Harmonies

Analogous

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



46.3053, 56.8019, 89.2848



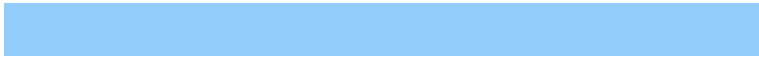
51.2561, 56.8019, 100.3578



57.3195, 56.8019, 99.8449

Triad

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



51.2561, 56.8019, 100.3578



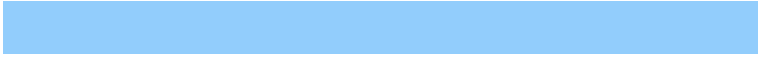
65.9973, 56.8019, 52.9609



45.9856, 56.8019, 41.4741

Complementary

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



51.2561, 56.8019, 100.3578



64.4046, 60.9123, 35.5589

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.



50.7891, 56.8019, 34.9692



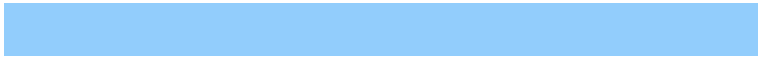
51.2561, 56.8019, 100.3578



62.4778, 56.8019, 40.7002

Square

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



51.2561, 56.8019, 100.3578



66.1459, 56.8019, 70.1554



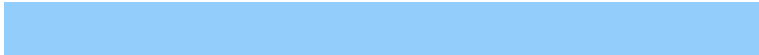
56.8163, 56.8019, 34.7154



43.4202, 56.8019, 54.2231

Rectangle

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



51.2561, 56.8019, 100.3578



61.1903, 56.8019, 92.9440



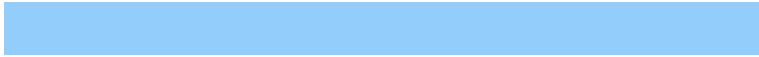
56.8163, 56.8019, 34.7154



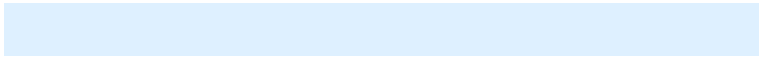
47.3752, 56.8019, 38.5990

Sweetspot

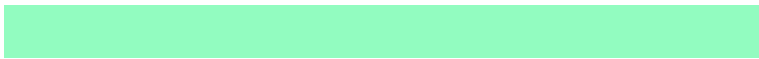
The Sweet Spot groups the original color and five complimentary colors.



51.2580, 56.8041, 100.3591



79.3772, 85.2238, 106.8740



56.1731, 79.5360, 62.2237



16.4710, 17.7416, 22.8063



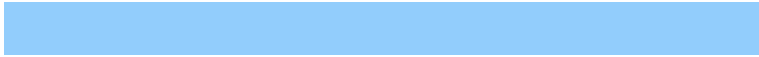
0.0000, 0.0000, 0.0000



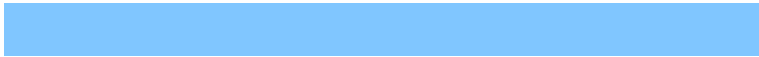
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2580, 56.8041, 100.3591



47.1782, 52.3728, 102.2301



40.8287, 35.9456, 96.8827



17.0843, 18.2455, 22.0066



14.2076, 13.7708, 49.8828



1.4216, 1.4868, 4.6552

Inverse Universe

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



61.4448, 45.6629, 63.3351



59.1412, 40.6671, 58.4417



77.9667, 88.0365, 40.0796



17.6491, 17.3870, 20.0079



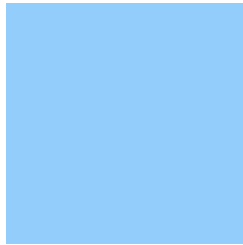
23.4634, 11.8011, 14.4144



2.2265, 1.1143, 1.6160

Previews

White Background



This preview shows how the XYZ color 51.2561, 56.8019, 100.3578 looks on a white background.

Color Contrast Check

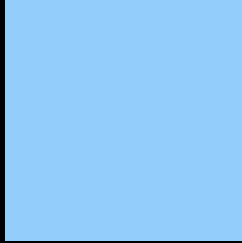
Large Text (above 18pt) WCAG AA × Fail

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 51.2561, 56.8019, 100.3578 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

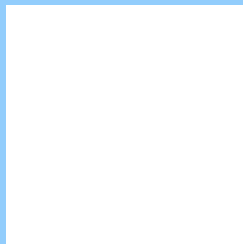
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2561, 56.8019, 100.3578

Background



This preview shows how black text looks on a background with the XYZ color 51.2561, 56.8019, 100.3578.



This preview shows how white text looks on a background with the XYZ color 51.2561, 56.8019,

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

51.2561, 56.8019, 100.3578

Protanopia

56.4711, 56.5115, 94.3177

Deuteranopia

57.6747, 56.3041, 101.5939



Tritanopia

47.1754, 56.5809, 80.3863

Trichromacy



Original Color

51.2561, 56.8019, 100.3578

Protanomaly

54.1613, 56.2821, 96.8159

Deuteranomaly

54.9370, 56.2507, 100.8905

Tritanomaly

48.7066, 56.8607, 87.0054

Monochromacy



Original Color

51.2561, 56.8019, 100.3578

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0083, 54.0177, 71.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2561, 56.8019, 100.3578 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(146, 205, 252)` looks like.

```
.text, #text, p{  
    color:rgb(146, 205, 252)  
}
```

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(146, 205, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 205, 252) }
```

Border

The CSS property to change the border of an element to XYZ 51.2561, 56.8019, 100.3578 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(146, 205, 252) }
```


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

```
.border{ border-color:rgb(146, 205, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 205, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 205, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 205, 252); box-shadow:4px 4px 4px 4px rgb(146, 205, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2561, 56.8019, 100.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 205, 252) }
```

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

```
.background{ background-color: rgb(146,  
205, 252) }
```

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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