

Converting Colors

XYZ(56.7603, 58.0784,
102.8264)

Have a look what the booklet for
XYZ(56.7603, 58.0784, 102.8264)
contains.

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Color

**XYZ(56.8411, 58.2234,
102.8501)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C9FF
RGB	176, 201, 255
RGB Percent	69%, 79%, 100%
CMY	0.3098, 0.2117, 0.0000
CMYK	0.31, 0.21, 0.00, 0.00
HSL	221°, 100%, 85%
HSV	221°, 31%, 100%
XYZ	56.8411, 58.2234, 102.8501
YIQ	199.6810, -32.2340, 11.4940

Conversions

Conversions Part 2

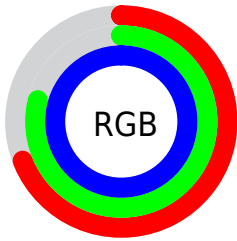
Format	Color
R _Y B	176, 195, 255
Decimal	11586047
CIE Lab	80.86, 3.74, -29.23
CIE LCh	81, 29.469, 277.296
Yxy	58.2234, 0.2608, 0.2672
Android (android.graphics.Color)	4289776127 (0xFFB0C9FF)
YUV	199.6810, 27.2723, -20.7682
Hunter-Lab	76.3043, -0.5630, -26.5037

Details

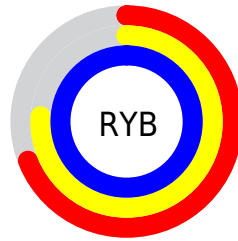
The XYZ color **56.8411, 58.2234, 102.8501** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.3735, 80.9880, 52.6303**, and the grayscale version is **54.5569, 57.3981, 62.5066**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **28.5119, 29.0096, 57.5228** is the 20% darker color. If you saturate the color by 10%, you get **47.7726, 47.8562, 101.3270**, and if you desaturate by 10%, it is **67.4570, 70.0755, 104.5783**.

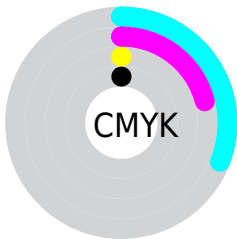
Distribution



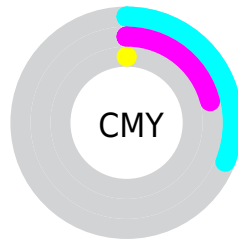
- Red (69%)
- Green (79%)
- Blue (100%)



- Red (69%)
- Yellow (76%)
- Blue (100%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8411, 58.2234, 102.8501 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 56.8411, 58.2234, 102.8501 by changing the saturation by 10% instead.

■ 56.8411, 58.2234,
102.8501

■ 56.8411, 58.2234,
102.8501

402.8774,
418.0179, 590.6168

■ 41.1173, 41.9883,
78.0528

■ 99.3660, 102.2481,
167.1543

■ 28.5988, 29.0921,
57.6006

126.8978,
130.8065, 207.4983

■ 18.9203, 19.1505,
41.0751

159.0964,
164.2414, 253.8616

■ 11.7164, 11.7791,
28.0576

196.3270,
202.9372, 306.6628

■ 6.6217, 6.5934,
18.1297

238.9551,
247.2784, 366.3203

■ 3.2709, 3.2092,
10.8727

287.3459,

■ 1.2986, 1.2419,

297.6493, 433.2528

5.8682

341.8649,
354.4343, 507.8788

■ 0.1821, 0.0955,
2.6976

■ 0.0000, 0.0000,
0.9422

■ 56.8411, 58.2234,
102.8501

■ 56.8411, 58.2234,
102.8501

■ 47.7726, 47.8562,
101.3270

■ 67.4570, 70.0755,
104.5783

■ 40.1704, 38.9051,
100.0000

■ 79.6858, 83.4638,
106.5180

■ 33.9531, 31.3057,
98.8608

■ 93.5954, 98.4456,
108.6766

■ 29.0289, 24.9851,
97.9004

■ 95.0500, 100.0000,
108.9000

■ 25.2937, 19.8625,
97.1085

■ 22.6252, 15.8457,
96.4738

■ 20.9703, 13.0606,
96.0234

Harmonies

Analogous

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



50.9388, 58.2234, 99.6681



56.8411, 58.2234, 102.8501



62.7480, 58.2234, 94.0160

Triad

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



56.8411, 58.2234, 102.8501



65.1949, 58.2234, 45.1571



45.2181, 58.2234, 51.3043

Complementary

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



56.8411, 58.2234, 102.8501



77.3735, 80.9880, 52.6303

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.



48.5385, 58.2234, 40.2701



56.8411, 58.2234, 102.8501



59.9868, 58.2234, 37.2022

Square

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



56.8411, 58.2234, 102.8501



67.7957, 58.2234, 59.2283



53.8648, 58.2234, 35.5936



44.5111, 58.2234, 67.7535

Rectangle

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



56.8411, 58.2234, 102.8501



65.7974, 58.2234, 83.3116



53.8648, 58.2234, 35.5936



46.0531, 58.2234, 46.9367

Sweetspot

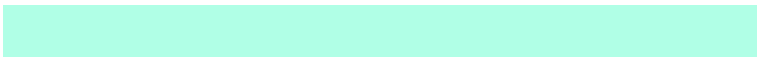
The Sweet Spot groups the original color and five complimentary colors.



56.8428, 58.2256, 102.8505



82.3032, 86.3007, 106.9276



67.9460, 86.4628, 87.9593



17.2030, 18.0242, 22.8223



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.



56.8428, 58.2256, 102.8505



51.2015, 51.8088, 101.9092



54.9328, 49.2818, 101.2248



17.4721, 18.3158, 22.8644



11.0751, 7.0597, 50.2135



1.1716, 0.8738, 4.9202

Inverse Universe

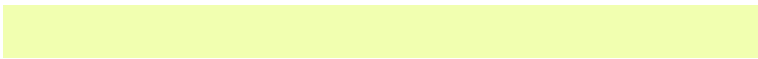
The Inverse Universe completely reimagines the original color for something new.



67.3091, 56.5292, 62.6244



63.2739, 50.3676, 55.3947



79.7079, 93.2707, 54.8780



18.2462, 18.0818, 19.9136



22.3784, 11.4406, 5.3770



2.2260, 1.1328, 0.7714

Previews

White Background



This preview shows how the XYZ color 56.8411, 58.2234, 102.8501 looks on a white background.

Color Contrast Check

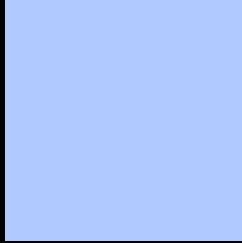
Large Text (above 18pt) WCAG AA × Fail

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 56.8411, 58.2234, 102.8501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

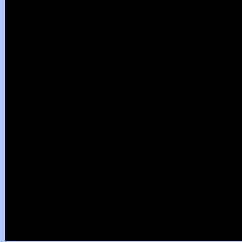
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

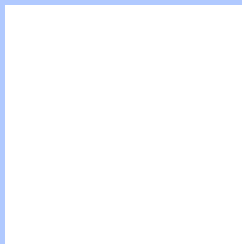
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8411, 58.2234, 102.8501

Background



This preview shows how black text looks on a background with the XYZ color 56.8411, 58.2234, 102.8501.



This preview shows how white text looks on a background with the XYZ color 56.8411, 58.2234,

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

56.8411, 58.2234, 102.8501

Protanopia

58.4172, 58.0448, 101.0534

Deuteranopia

59.5021, 58.2289, 102.7109



Tritanopia

51.9943, 58.3884, 78.3417

Trichromacy



Original Color

56.8411, 58.2234, 102.8501

Protanomaly

57.8413, 58.0699, 101.9260

Deuteranomaly

58.4938, 58.0473, 102.7290

Tritanomaly

53.8400, 58.4315, 87.0380

Monochromacy



Original Color

56.8411, 58.2234, 102.8501

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

55.0584, 57.5522, 75.9169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8411, 58.2234, 102.8501 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(176, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 201, 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(176, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8411, 58.2234, 102.8501 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(176, 201, 255) }
```


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

```
.border{ border-color:rgb(176, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8411, 58.2234, 102.8501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 201, 255) }
```

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

```
.background{ background-color: rgb(176,  
201, 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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