

Converting Colors

XYZ(56.8290, 55.2302,
100.5938)

Have a look what the booklet for
XYZ(56.8290, 55.2302, 100.5938)
contains.

XYZ(56.8290, 55.2302, 100.5938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.8290, 55.2302,
100.5938)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC0FD
RGB	186, 192, 253
RGB Percent	73%, 75%, 99%
CMY	0.2706, 0.2470, 0.0078
CMYK	0.26, 0.24, 0.00, 0.01
HSL	235°, 94%, 86%
HSV	235°, 26%, 99%
XYZ	56.8290, 55.2302, 100.5938
YIQ	197.1600, -23.1570, 17.6990

Conversions

Conversions Part 2

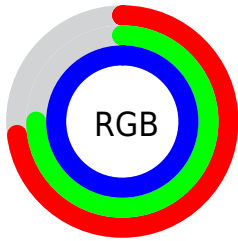
Format	Color
RYB	186, 192, 253
Decimal	12239101
CIELab	79.17, 10.99, -30.70
CIElCh	79, 32.607, 289.703
Yxy	55.2302, 0.2672, 0.2597
Android (android.graphics.Color)	4290429181 (0xFFBAC0FD)
YUV	197.1600, 27.5291, -9.7873
Hunter-Lab	74.3170, 6.4412, -28.2317

Details

The XYZ color **56.8290, 55.2302, 100.5938** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.6327, 90.9502, 59.6562**, and the grayscale version is **53.0180, 55.7791, 60.7434**.

A 20% lighter version of the original color is **88.5795, 93.4095, 107.9689**, and **28.5565, 27.2761, 55.9843** is the 20% darker color. If you saturate the color by 10%, you get **46.5503, 43.0028, 98.7764**, and if you desaturate by 10%, it is **68.9910, 69.6059, 102.7285**.

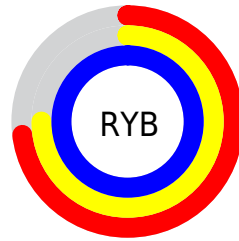
Distribution



Red (73%)

Green (75%)

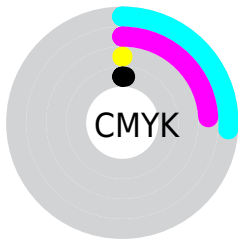
Blue (99%)



Red (73%)

Yellow (75%)

Blue (99%)

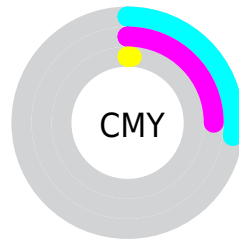


Cyan (26%)

Magenta (24%)

Yellow (0%)

Black (1%)



Cyan (27%)

Magenta (25%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8290, 55.2302, 100.5938 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 56.8290, 55.2302, 100.5938 by changing the saturation by 10% instead.

■ 56.8290, 55.2302,
100.5938

■ 56.8290, 55.2302,
100.5938

402.8328,
406.7839, 583.3577

■ 41.1076, 39.5861,
76.1769

■ 99.3484, 97.8782,
164.0319

■ 28.5912, 27.2159,
56.0700

126.8771,
125.6508, 203.8903

■ 18.9145, 17.7355,
39.8547

159.0723,
158.2350, 249.7328

■ 11.7122, 10.7602,
27.1124

196.2993,
196.0152, 301.9781

■ 6.6188, 5.9059,
17.4244

238.9235,
239.3758, 361.0447

■ 3.2691, 2.7879,
10.3724

287.3103,

■ 1.2976, 1.0220,

288.7012, 427.3511

5.5378

341.8249,
344.3758, 501.3160

■ 0.1814, 0.0000,
2.5019

■ 0.0000, 0.0000,
0.8412

■ 56.8290, 55.2302,
100.5938

■ 56.8290, 55.2302,
100.5938

■ 46.5503, 43.0028,
98.7764

■ 68.9910, 69.6059,
102.7285

■ 38.0554, 32.8142,
97.2575

■ 83.1182, 86.2195,
105.1907

■ 31.2437, 24.5549,
96.0223

94.7298, 99.8719,
107.2139

■ 26.0027, 18.1028,
95.0532

■ 22.2056, 13.3215,
94.3304

■ 19.7060, 10.0551,
93.8317

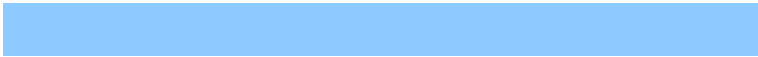
■ 18.3251, 8.1171,
93.5304

■ 18.0295, 7.6912,
93.4638

Harmonies

Analogous

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



50.2889, 55.2302, 102.7532



56.8290, 55.2302, 100.5938



62.6322, 55.2302, 86.4287

Triad

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



56.8290, 55.2302, 100.5938



61.0135, 55.2302, 36.7287



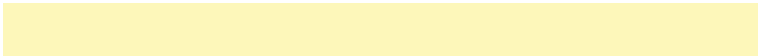
41.1169, 55.2302, 53.9534

Complementary

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



56.8290, 55.2302, 100.5938



82.6327, 90.9502, 59.6562

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.



43.5146, 55.2302, 39.8032



56.8290, 55.2302, 100.5938



54.7640, 55.2302, 31.3112

Square

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



56.8290, 55.2302, 100.5938



65.1830, 55.2302, 48.8415



48.3865, 55.2302, 32.3064



41.5700, 55.2302, 73.0506

Rectangle

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



56.8290, 55.2302, 100.5938



65.1318, 55.2302, 73.4484



48.3865, 55.2302, 32.3064



41.6079, 55.2302, 48.5384

Sweetspot

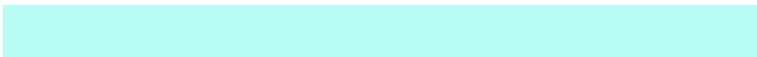
The Sweet Spot groups the original color and five complimentary colors.



56.8308, 55.2324, 100.5951



82.2976, 85.0513, 106.6867



72.0570, 87.3632, 100.4965



17.1338, 17.6392, 22.7516



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.



56.8308, 55.2324, 100.5951



51.8368, 49.0791, 101.3489



62.6728, 56.3278, 100.4986



17.1338, 17.6392, 22.7516



9.6340, 4.1775, 49.7332



0.9803, 0.4913, 4.8564

Inverse Universe

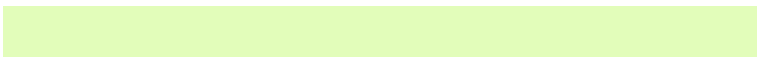
The Inverse Universe completely reimagines the original color for something new.



67.5829, 59.8081, 57.8535



64.5710, 54.6250, 50.6996



75.4164, 89.9980, 59.8528



18.0754, 18.0135, 19.0143



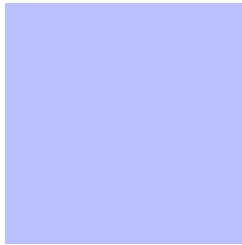
21.6510, 11.1497, 1.5466



2.1294, 1.0941, 0.2629

Previews

White Background



This preview shows how the XYZ color 56.8290, 55.2302, 100.5938 looks on a white background.

Color Contrast Check

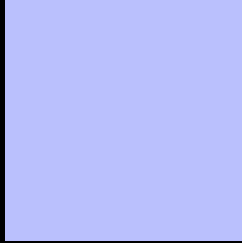
Large Text (above 18pt) WCAG AA × Fail

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 56.8290, 55.2302, 100.5938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

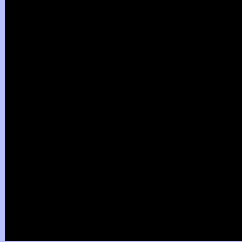
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8290, 55.2302, 100.5938

Background



This preview shows how black text looks on a background with the XYZ color 56.8290, 55.2302, 100.5938.



This preview shows how white text looks on a background with the XYZ color 56.8290, 55.2302,

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

56.8290, 55.2302, 100.5938

Protanopia

56.0036, 55.4426, 101.5157

Deuteranopia

56.5868, 55.1054, 100.5825



Tritanopia

51.0493, 55.2181, 72.2576

Trichromacy



Original Color

56.8290, 55.2302, 100.5938

Protanomaly

56.2508, 55.2408, 101.4637

Deuteranomaly

56.5868, 55.1054, 100.5825

Tritanomaly

52.9388, 54.9608, 81.9471

Monochromacy



Original Color

56.8290, 55.2302, 100.5938

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

54.0318, 55.3774, 73.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8290, 55.2302, 100.5938 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(186, 192, 253)` looks like.

```
.text, #text, p{  
    color:rgb(186, 192, 253)  
}
```

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(186, 192, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 192, 253) }
```

Border

The CSS property to change the border of an element to XYZ 56.8290, 55.2302, 100.5938 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(186, 192, 253) }
```


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

```
.border{ border-color:rgb(186, 192, 253) }
```

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

Here you see how a box with a 4 pixel rgb(186, 192, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 192, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 192, 253);  
box-shadow:4px 4px 4px 4px rgb(186, 192,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8290, 55.2302, 100.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 192, 253) }
```

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

```
.background{ background-color: rgb(186,  
192, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor