

Converting Colors

XYZ(83.1992, 63.6940,
241.4719)

Have a look what the booklet for
XYZ(83.1992, 63.6940, 241.4719)
contains.

XYZ(56.8441, 53.2850, 101.8968)	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(56.8441, 53.2850,
101.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBAFF
RGB	190, 186, 255
RGB Percent	75%, 73%, 100%
CMY	0.2549, 0.2706, 0.0000
CMYK	0.25, 0.27, 0.00, 0.00
HSL	243°, 100%, 86%
HSV	243°, 27%, 100%
XYZ	56.8441, 53.2850, 101.8968
YIQ	195.0620, -19.7650, 22.3070

Conversions

Conversions Part 2

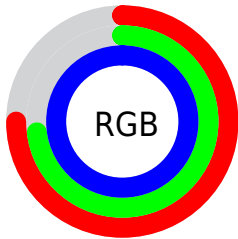
Format	Color
R _Y B	190, 186, 255
Decimal	12499711
CIE Lab	78.04, 15.90, -33.48
CIE LCh	78, 37.070, 295.407
Yxy	53.2850, 0.2681, 0.2513
Android (android.graphics.Color)	4290689791 (0xFFBEBAFF)
YUV	195.0620, 29.5494, -4.4394
Hunter-Lab	72.9966, 11.2580, -31.6660

Details

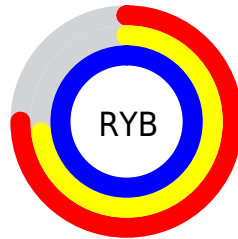
The XYZ color **56.8441, 53.2850, 101.8968** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.4074, 95.5748, 60.4557**, and the grayscale version is **51.7481, 54.4430, 59.2884**.

A 20% lighter version of the original color is **88.1599, 90.4984, 107.4292**, and **28.5722, 26.0032, 56.9393** is the 20% darker color. If you saturate the color by 10%, you get **46.4302, 40.6417, 100.0052**, and if you desaturate by 10%, it is **69.2085, 68.3593, 104.1547**.

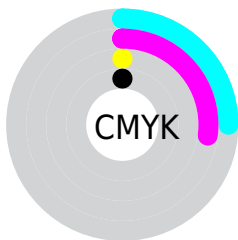
Distribution



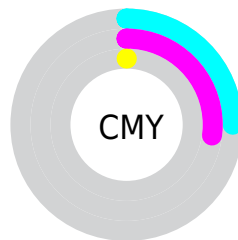
- Red (75%)
- Green (73%)
- Blue (100%)



- Red (75%)
- Yellow (73%)
- Blue (100%)



- Cyan (25%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8441, 53.2850, 101.8968 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 56.8441, 53.2850, 101.8968 by changing the saturation by 10% instead.

■ 56.8441, 53.2850,
101.8968

■ 56.8441, 53.2850,
101.8968

402.8885,
399.3776, 587.5556

■ 41.1197, 38.0303,
77.2599

■ 99.3703, 95.0236,
165.8359

■ 28.6007, 26.0062,
56.9534

126.9029,
122.2763, 205.9753

■ 18.9218, 16.8283,
40.5587

159.1023,
154.2972, 252.1191

■ 11.7174, 10.1122,
27.6573

196.3339,
191.4706, 304.6861

■ 6.6224, 5.4734,
17.8307

238.9629,
234.1810, 364.0946

■ 3.2713, 2.5276,
10.6603

287.3548,

■ 1.2988, 0.8904,

282.8127, 430.7634

5.7276

341.8749,
337.7501, 505.1108

■ 0.1823, 0.0000,
2.6141

■ 0.0000, 0.0000,
0.8997

■ 56.8441, 53.2850,
101.8968

■ 56.8441, 53.2850,
101.8968

■ 46.4302, 40.6417,
100.0052

■ 69.2085, 68.3593,
104.1547

■ 37.8628, 30.2962,
98.4599

■ 83.6111, 85.9760,
106.7960

■ 31.0352, 22.1123,
97.2401

95.0500, 100.0000,
108.9000

■ 25.8280, 15.9365,
96.3225

■ 22.1066, 11.5953,
95.6807

■ 19.7149, 8.8858,
95.2838

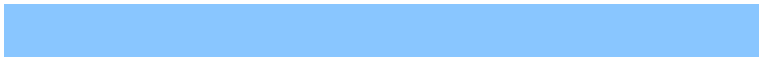
■ 18.4590, 7.5518,
95.0925

■ 18.2434, 7.3197,
95.0591

Harmonies

Analogous

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



49.5412, 53.2850, 107.4096



56.8441, 53.2850, 101.8968



62.9666, 53.2850, 83.6701

Triad

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



56.8441, 53.2850, 101.8968



58.9511, 53.2850, 31.0389



38.0200, 53.2850, 54.8896

Complementary

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



56.8441, 53.2850, 101.8968



84.4074, 95.5748, 60.4557

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.



40.0472, 53.2850, 38.2315



56.8441, 53.2850, 101.8968



51.7667, 53.2850, 26.7057

Square

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



56.8441, 53.2850, 101.8968



64.2619, 53.2850, 42.5653



44.9153, 53.2850, 28.9858



39.1032, 53.2850, 76.8206

Rectangle

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



56.8441, 53.2850, 101.8968



65.3172, 53.2850, 68.6331



44.9153, 53.2850, 28.9858



38.3543, 53.2850, 48.5586

Sweetspot

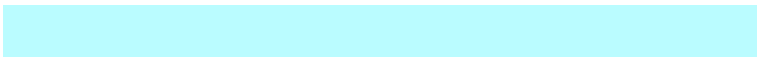
The Sweet Spot groups the original color and five complimentary colors.



56.8457, 53.2870, 101.8971



82.1638, 84.2035, 106.5301



72.9700, 86.9982, 107.5542



17.1004, 17.4280, 22.7126



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.



56.8457, 53.2870, 101.8971



51.4602, 46.7411, 100.9174



66.3353, 58.1791, 102.3412



17.1004, 17.4280, 22.7126



9.5706, 3.8443, 49.6722



0.9646, 0.3912, 4.8379

Inverse Universe

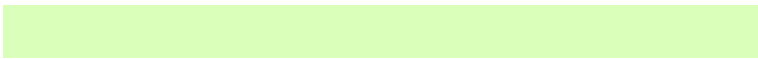
The Inverse Universe completely reimagines the original color for something new.



76.2125, 63.3446, 99.4776



73.5582, 58.2199, 98.0257



73.2542, 89.8251, 59.9337



18.7445, 18.2811, 22.5378



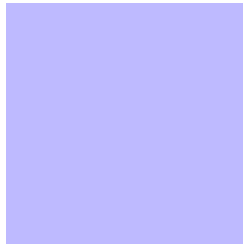
29.8039, 14.4108, 44.4792



2.9152, 1.4085, 4.4008

Previews

White Background



This preview shows how the XYZ color 56.8441, 53.2850, 101.8968 looks on a white background.

Color Contrast Check

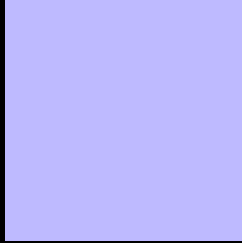
Large Text (above 18pt) WCAG AA × Fail

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 56.8441, 53.2850, 101.8968 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 56.8441, 53.2850, 101.8968

Background



This preview shows how black text looks on a background with the XYZ color 56.8441, 53.2850, 101.8968.



This preview shows how white text looks on a background with the XYZ color 56.8441, 53.2850,

101.8968.

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

56.8441, 53.2850, 101.8968

Protanopia

54.3600, 53.5956, 102.0876

Deuteranopia

54.6629, 53.4476, 101.2013



Tritanopia

49.9807, 53.0605, 68.5802

Trichromacy



Original Color

56.8441, 53.2850, 101.8968

Protanomaly

55.0700, 53.3185, 101.9967

Deuteranomaly

55.3784, 53.4960, 101.1729

Tritanomaly

52.1254, 52.9429, 79.4232

Monochromacy



Original Color

56.8441, 53.2850, 101.8968

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

53.3663, 54.0465, 73.2649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8441, 53.2850, 101.8968 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(190, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 186, 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(190, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8441, 53.2850, 101.8968 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(190, 186, 255) }
```


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

```
.border{ border-color:rgb(190, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8441, 53.2850, 101.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 186, 255) }
```

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

```
.background{ background-color: rgb(190,  
186, 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](#).

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