

Converting Colors

XYZ(51.4158, 50.8891, 83.4566)

Have a look what the booklet for
XYZ(51.4158, 50.8891, 83.4566)
contains.

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Color

**XYZ(51.4158, 50.8891,
83.4566)**

Conversions

Conversions Part 1

Format	Color
Hex	B6BAE8
RGB	182, 186, 232
RGB Percent	71%, 73%, 91%
CMY	0.2863, 0.2706, 0.0902
CMYK	0.22, 0.20, 0.00, 0.09
HSL	235°, 52%, 81%
HSV	235°, 22%, 91%
XYZ	51.4158, 50.8891, 83.4566
YIQ	190.0480, -17.1500, 13.4580

Conversions

Conversions Part 2

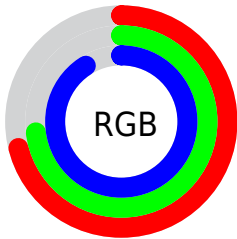
Format	Color
R _Y B	182, 186, 232
Decimal	11975400
CIE Lab	76.61, 8.21, -23.36
CIE LCh	77, 24.760, 289.372
Yxy	50.8891, 0.2768, 0.2739
Android (android.graphics.Color)	4290165480 (0xFFB6BAE8)
YUV	190.0480, 20.6823, -7.0581
Hunter-Lab	71.3366, 3.8147, -19.4277

Details

The XYZ color **51.4158, 50.8891, 83.4566** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.4662, 76.0201, 55.2695**, and the grayscale version is **48.8642, 51.4090, 55.9844**.

A 20% lighter version of the original color is **85.0620, 88.9014, 107.2842**, and **25.1261, 24.4988, 44.4788** is the 20% darker color. If you saturate the color by 10%, you get **42.2186, 39.9650, 81.8336**, and if you desaturate by 10%, it is **62.1955, 63.6284, 85.3482**.

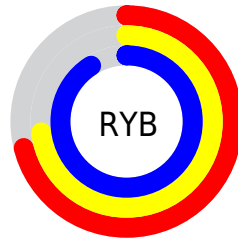
Distribution



Red (71%)

Green (73%)

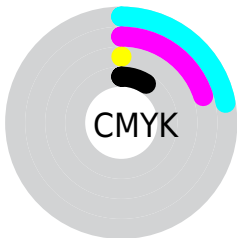
Blue (91%)



Red (71%)

Yellow (73%)

Blue (91%)

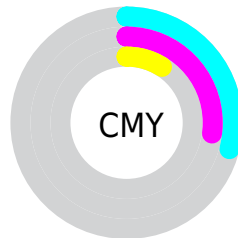


Cyan (22%)

Magenta (20%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (27%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4158, 50.8891, 83.4566 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 51.4158, 50.8891, 83.4566 by changing the saturation by 10% instead.

■ 51.4158, 50.8891,
83.4566

■ 51.4158, 50.8891,
83.4566

382.5382,
390.1328, 526.5178

■ 36.7620, 36.1204,
62.0241

■ 91.4484, 91.4908,
140.0697

■ 25.1961, 24.5272,
44.6163

117.5580,
118.0926, 176.0874

■ 16.3527, 15.7251,
30.8145

148.2169,
149.4075, 217.8040

■ 9.8665, 9.3299,
20.2004

183.7904,
185.8199, 265.6379

■ 5.3721, 4.9570,
12.3553

224.6439,
227.7143, 320.0076

■ 2.5042, 2.2220,
6.8606

271.1428,

■ 0.8974, 0.7320,

275.4749, 381.3319

3.2980

323.6525,
329.4863, 450.0291

■ 0.0000, 0.0000,
1.2487

■ 0.0000, 0.0000,
0.0192

■ 51.4158, 50.8891,
83.4566

■ 51.4158, 50.8891,
83.4566

■ 42.2186, 39.9650,
81.8336

■ 62.1955, 63.6284,
85.3482

■ 34.5247, 30.7676,
80.4639

■ 74.6223, 78.2538,
87.5163

■ 28.2554, 23.2101,
79.3355

■ 88.7631, 94.8401,
89.9724

■ 23.3228, 17.1959,
78.4347

■ 91.5656, 98.6063,
90.5517

■ 19.6293, 12.6181,
77.7457

■ 17.0638, 9.3560,
77.2513

■ 15.4953, 7.2692,
76.9312

■ 14.7913, 6.2775,
76.7769

Harmonies

Analogous

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



46.7276, 50.8891, 84.8003



51.4158, 50.8891, 83.4566



55.5259, 50.8891, 73.9449

Triad

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



51.4158, 50.8891, 83.4566



54.4688, 50.8891, 38.0588



40.0511, 50.8891, 50.7905

Complementary

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



51.4158, 50.8891, 83.4566



69.4662, 76.0201, 55.2695

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.



41.8543, 50.8891, 40.2634



51.4158, 50.8891, 83.4566



50.0475, 50.8891, 33.7407

Square

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



51.4158, 50.8891, 83.4566



57.3657, 50.8891, 47.2919



45.4442, 50.8891, 34.4767



40.3651, 50.8891, 64.4068

Rectangle

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



51.4158, 50.8891, 83.4566



57.2901, 50.8891, 64.9954



45.4442, 50.8891, 34.4767



40.4249, 50.8891, 46.8159

Sweetspot

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



51.4174, 50.8912, 83.4578



85.3164, 88.5587, 107.2046



62.1296, 73.2515, 84.1428



18.0443, 18.6999, 22.9084



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.



51.4174, 50.8912, 83.4578



58.2551, 56.5868, 102.4597



55.8779, 51.9566, 83.4283



13.6751, 14.0715, 18.1397



8.2471, 3.5563, 42.6349



0.6418, 0.3276, 3.1614

Inverse Universe

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



58.8709, 54.1583, 53.8074



69.1114, 61.4216, 59.2555



64.2129, 74.9651, 55.3427



14.4236, 14.3866, 15.1649



18.5563, 9.5567, 1.2923



1.3876, 0.7128, 0.1816

Previews

White Background



This preview shows how the XYZ color 51.4158, 50.8891, 83.4566 looks on a white background.

Color Contrast Check

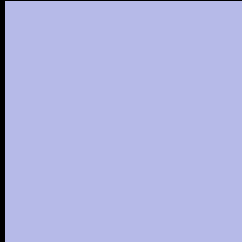
Large Text (above 18pt) WCAG AA × Fail

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 51.4158, 50.8891, 83.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

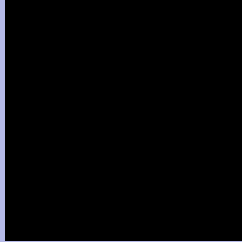
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4158, 50.8891, 83.4566

Background



This preview shows how black text looks on a background with the XYZ color 51.4158, 50.8891, 83.4566.



This preview shows how white text looks on a background with the XYZ color 51.4158, 50.8891,

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

51.4158, 50.8891, 83.4566

Protanopia

50.8384, 50.8888, 84.2338

Deuteranopia

51.9220, 50.8384, 83.4201



Tritanopia

47.9028, 51.0649, 65.7243

Trichromacy



Original Color

51.4158, 50.8891, 83.4566

Protanomaly

51.0687, 51.0075, 84.2446

Deuteranomaly

51.6816, 50.7145, 83.4089

Tritanomaly

49.0537, 50.8852, 71.5264

Monochromacy



Original Color

51.4158, 50.8891, 83.4566

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.7106, 51.3678, 65.0526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4158, 50.8891, 83.4566 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(182, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(182, 186, 232)  
}
```

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(182, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 186, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.4158, 50.8891, 83.4566 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(182, 186, 232) }
```


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

```
.border{ border-color:rgb(182, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(182, 186,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4158, 50.8891, 83.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 186, 232) }
```

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

```
.background{ background-color: rgb(182,  
186, 232) }
```

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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