

Converting Colors

XYZ(51.3146, 48.4621, 66.9699)

Have a look what the booklet for
XYZ(51.3146, 48.4621, 66.9699)
contains.

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Color

**XYZ(51.3182, 48.4652,
66.9716)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B1D1
RGB	201, 177, 209
RGB Percent	79%, 69%, 82%
CMY	0.2118, 0.3059, 0.1804
CMYK	0.04, 0.15, 0.00, 0.18
HSL	285°, 26%, 76%
HSV	285°, 15%, 82%
XYZ	51.3182, 48.4652, 66.9716
YIQ	187.8240, 4.0320, 15.0400

Conversions

Conversions Part 2

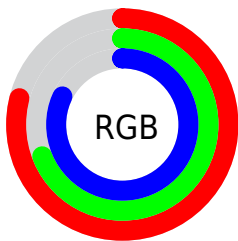
Format	Color
R_{YB}	201, 177, 209
Decimal	13218257
CIE _{Lab}	75.12, 14.40, -12.99
CIE _{LCh}	75, 19.390, 317.942
Yxy	48.4652, 0.3077, 0.2906
Android (android.graphics.Color)	4291408337 (0xFFC9B1D1)
YUV	187.8240, 10.4398, 11.5554
Hunter-Lab	69.6170, 9.7518, -8.3052

Details

The XYZ color **51.3182, 48.4652, 66.9716** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **50.7455, 59.0908, 50.3284**, and the grayscale version is **47.6424, 50.1235, 54.5845**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **25.1567, 22.9849, 34.1210** is the 20% darker color. If you saturate the color by 10%, you get **46.1216, 40.1213, 65.6357**, and if you desaturate by 10%, it is **57.1977, 58.1023, 68.5226**.

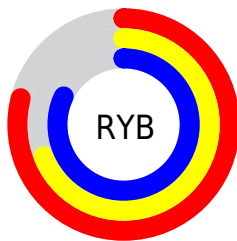
Distribution



Red (79%)

Green (69%)

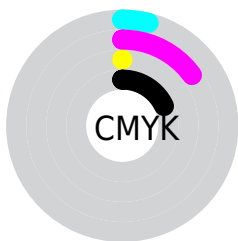
Blue (82%)



Red (79%)

Yellow (69%)

Blue (82%)

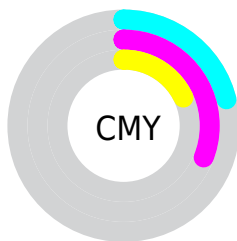


Cyan (4%)

Magenta (15%)

Yellow (0%)

Black (18%)



Cyan (21%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3182, 48.4652, 66.9716 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 51.3182, 48.4652, 66.9716 by changing the saturation by 10% instead.

■ 51.3182, 48.4652,
66.9716

■ 51.3182, 48.4652,
66.9716

382.1661,
380.6331, 468.3424

■ 36.6840, 34.1954,
48.6001

■ 91.3051, 87.8966,
116.5200

■ 25.1355, 23.0438,
33.9390

117.3886,
113.8271, 148.5339

■ 16.3073, 14.6258,
22.5698

148.0191,
144.4132, 185.9325

■ 9.8341, 8.5572,
14.0738

183.5622,
180.0395, 229.1341

■ 5.3505, 4.4535,
8.0327

224.3830,
221.0902, 278.5573

■ 2.4912, 1.9303,
4.0278

270.8471,

■ 0.8908, 0.5665,

267.9498, 334.6208

1.6406

323.3196,
321.0026, 397.7430

■ 0.0000, 0.0000,
0.3196

■ 0.0000, 0.0000,
0.0000

■ 51.3182, 48.4652,
66.9716

■ 51.3182, 48.4652,
66.9716

■ 46.1216, 40.1213,
65.6357

■ 57.1977, 58.1023,
68.5226

■ 41.5745, 33.0068,
64.5021

■ 63.7830, 69.0804,
70.2945

■ 37.6468, 27.0618,
63.5616

■ 71.1014, 81.4523,
72.2968

■ 34.3046, 22.2188,
62.8030

■ 77.3631, 91.6377,
73.9327

■ 31.5102, 18.4033,
62.2138

■ 78.9876, 92.4752,
74.0088

■ 29.2213, 15.5314,
61.7801

■ 80.6621, 93.3384,
74.0871

■ 27.3889, 13.5060,
61.4857

■ 82.3871, 94.2277,
74.1679

■ 25.9531, 12.2078,
61.3108

■ 84.1630, 95.1432,
74.2510

■ 25.3646, 11.7464,
61.2528

■ 85.9902, 96.0851,
74.3365

Harmonies

Analogous

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



48.1985, 48.4652, 73.6278



51.3182, 48.4652, 66.9716



53.0641, 48.4652, 56.9584

Triad

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



51.3182, 48.4652, 66.9716



47.5048, 48.4652, 35.8757



39.8740, 48.4652, 59.0212

Complementary

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



51.3182, 48.4652, 66.9716



50.7455, 59.0908, 50.3284

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.



39.7096, 48.4652, 48.7928



51.3182, 48.4652, 66.9716



43.9948, 48.4652, 36.2785

Square

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



51.3182, 48.4652, 66.9716



50.7879, 48.4652, 39.5519



41.1826, 48.4652, 40.7336



41.6438, 48.4652, 68.6477

Rectangle

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



51.3182, 48.4652, 66.9716



53.1577, 48.4652, 50.1165



41.1826, 48.4652, 40.7336



39.6326, 48.4652, 55.5163

Sweetspot

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



51.3197, 48.4673, 66.9727



89.9536, 91.5336, 107.5344



47.1027, 48.8741, 67.2734



19.1054, 19.3466, 22.9773



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.



51.3197, 48.4673, 66.9727



78.0185, 72.0182, 104.3966



52.6235, 49.2438, 62.3205



12.0101, 11.8541, 14.8987



15.7331, 7.2910, 37.7706



0.9498, 0.4438, 2.1152

Inverse Universe

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



50.7752, 48.5044, 52.5872



77.0596, 72.1079, 77.9670



49.6343, 58.4296, 54.2683



11.9282, 11.8560, 12.8980



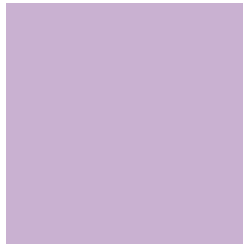
16.6317, 8.5255, 2.9666



0.9624, 0.4897, 0.3367

Previews

White Background



This preview shows how the XYZ color 51.3182, 48.4652, 66.9716 looks on a white background.

Color Contrast Check

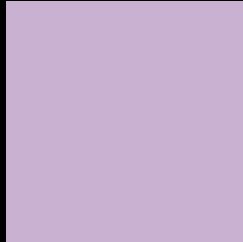
Large Text (above 18pt) WCAG AA × Fail

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 51.3182, 48.4652, 66.9716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

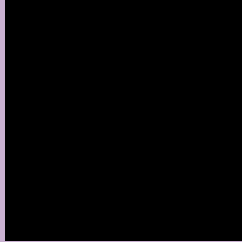
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3182, 48.4652, 66.9716

Background



This preview shows how black text looks on a background with the XYZ color 51.3182, 48.4652, 66.9716.



This preview shows how white text looks on a background with the XYZ color 51.3182, 48.4652,

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

51.3182, 48.4652, 66.9716

Protanopia

47.9731, 48.7884, 69.8394

Deuteranopia

49.4447, 48.4031, 66.4112



Tritanopia

49.6121, 48.6797, 57.8202

Trichromacy



Original Color

51.3182, 48.4652, 66.9716

Protanomaly

49.1466, 48.4926, 69.0571

Deuteranomaly

50.0109, 48.3964, 66.3801

Tritanomaly

50.2483, 48.6431, 60.7735

Monochromacy



Original Color

51.3182, 48.4652, 66.9716

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.0966, 49.6040, 59.2114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3182, 48.4652, 66.9716 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(201, 177, 209)` looks like.

```
.text, #text, p{  
    color:rgb(201, 177, 209)  
}
```

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(201, 177, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 177, 209) }
```

Border

The CSS property to change the border of an element to XYZ 51.3182, 48.4652, 66.9716 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(201, 177, 209) }
```


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

```
.border{ border-color:rgb(201, 177, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 177, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 177, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 177, 209);  
box-shadow:4px 4px 4px 4px rgb(201, 177,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3182, 48.4652, 66.9716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 177, 209) }
```

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

```
.background{ background-color: rgb(201,  
177, 209) }
```

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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