

Converting Colors

XYZ(30.7779, 17.0034, 54.1110)

Have a look what the booklet for
XYZ(30.7779, 17.0034, 54.1110)
contains.

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Color

**XYZ(30.8192, 17.0585,
53.8928)**

Conversions

Conversions Part 1

Format	Color
Hex	B63BC4
RGB	182, 59, 196
RGB Percent	71%, 23%, 77%
CMY	0.2863, 0.7686, 0.2314
CMYK	0.07, 0.70, 0.00, 0.23
HSL	294°, 54%, 50%
HSV	294°, 70%, 77%
XYZ	30.8192, 17.0585, 53.8928
YIQ	111.3950, 29.3310, 68.6830

Conversions

Conversions Part 2

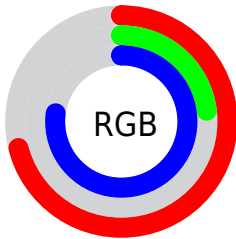
Format	Color
R_{YB}	182, 59, 196
Decimal	11942852
CIE _{Lab}	48.33, 66.20, -47.28
CIE _{LCh}	48, 81.355, 324.464
Yxy	17.0585, 0.3028, 0.1676
Android (android.graphics.Color)	4290132932 (0xFFB63BC4)
YUV	111.3950, 41.7103, 61.9206
Hunter-Lab	41.3019, 60.9170, -48.4532

Details

The XYZ color **30.8192, 17.0585, 53.8928** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **23.2774, 41.2124, 10.8662**, and the grayscale version is **15.1015, 15.8879, 17.3020**.

A 20% lighter version of the original color is **60.3665, 38.5152, 97.1810**, and **13.2652, 6.2831, 25.7129** is the 20% darker color. If you saturate the color by 10%, you get **29.5249, 15.1665, 53.5961**, and if you desaturate by 10%, it is **32.4997, 19.7115, 54.3166**.

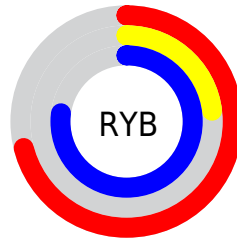
Distribution



Red (71%)

Green (23%)

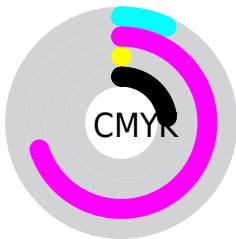
Blue (77%)



Red (71%)

Yellow (23%)

Blue (77%)

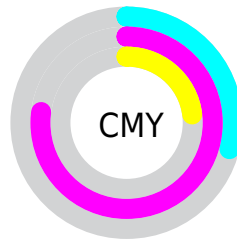


Cyan (7%)

Magenta (70%)

Yellow (0%)

Black (23%)



Cyan (29%)


Magenta (77%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8192, 17.0585, 53.8928 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 30.8192, 17.0585, 53.8928 by changing the saturation by 10% instead.


 30.8192, 17.0585,
53.8928


 30.8192, 17.0585,
53.8928


297.5463,
235.5093, 418.8641


 20.6124, 10.2762,
38.1234


 60.3331, 38.4263,
97.3716

 12.9518, 5.5825,
25.7759

 80.3709, 53.7807,
125.9181


 7.4721, 2.5929,
16.4318


 104.4163, 72.7611,
159.5607

 3.8080, 0.9231,
9.6726

 132.8348, 95.7521,
198.7180

 1.5941, 0.0000,
5.0796

 165.9917,
123.1380, 243.8084

 0.3886, 0.0000,
2.2345

204.2523,

 0.0000, 0.0000,

155.3033, 295.2505

0.6942

247.9821,
192.6322, 353.4629

■ 0.0000, 0.0000,
0.0000

■ 30.8192, 17.0585,
53.8928

■ 30.8192, 17.0585,
53.8928

■ 29.5249, 15.1665,
53.5961

■ 32.4997, 19.7115,
54.3166

■ 28.5698, 13.9435,
53.4104

■ 34.6022, 23.1993,
54.8790

■ 27.8691, 13.2193,
53.3075

■ 37.1608, 27.5891,
55.5914

■ 27.8621, 13.2125,
53.3065

■ 40.2056, 32.9410,
56.4640

■ 43.7638, 39.3096,
57.5057

■ 47.8609, 46.7457,
58.7251

■ 52.5205, 55.2965,
60.1299

■ 57.7648, 65.0064,
61.7277

■ 63.6148, 75.9174,
63.5255

Harmonies

Analogous

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



22.8704, 17.0585, 86.1361



30.8192, 17.0585, 53.8928



34.9689, 17.0585, 22.8020

Triad

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



30.8192, 17.0585, 53.8928



17.6296, 17.0585, 0.1648



6.3843, 17.0585, 41.1601

Complementary

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



30.8192, 17.0585, 53.8928



23.2774, 41.2124, 10.8662

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.



5.7537, 17.0585, 14.9035



30.8192, 17.0585, 53.8928



10.9928, 17.0585, 0.6490

Square

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



30.8192, 17.0585, 53.8928



26.0025, 17.0585, 1.2170



7.1528, 17.0585, 3.5072



9.2533, 17.0585, 75.6304

Rectangle

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



30.8192, 17.0585, 53.8928



34.3290, 17.0585, 10.1216



7.1528, 17.0585, 3.5072



5.9493, 17.0585, 30.7662

Sweetspot

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



30.8199, 17.0592, 53.8932



78.2972, 69.4403, 103.8844



14.2830, 9.9459, 53.3917



16.3595, 14.1461, 22.1182



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.



30.8199, 17.0592, 53.8932



52.4771, 26.1347, 96.8864



29.3240, 16.8621, 27.8890



10.3926, 10.1936, 12.7046



17.9448, 8.5113, 34.2537



0.8051, 0.3831, 1.4814

Inverse Universe

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



25.5320, 15.3453, 7.9201



42.9145, 23.1875, 6.8707



24.4419, 41.5692, 21.9248



10.1141, 10.0942, 10.6914



14.7242, 7.5794, 1.1936



0.6506, 0.3332, 0.1273

Previews

White Background



This preview shows how the XYZ color 30.8192, 17.0585, 53.8928 looks on a white background.

Color Contrast Check

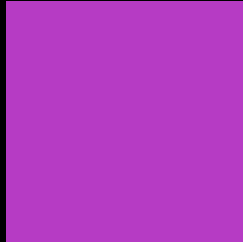
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.8192, 17.0585, 53.8928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

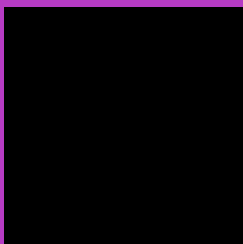
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8192, 17.0585, 53.8928

Background



This preview shows how black text looks on a background with the XYZ color 30.8192, 17.0585, 53.8928.



This preview shows how white text looks on a background with the XYZ color 30.8192, 17.0585,

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

30.8192, 17.0585, 53.8928

Protanopia

20.8248, 17.4250, 81.6227

Deuteranopia

17.8875, 17.4564, 49.4403



Tritanopia

22.6093, 17.0822, 13.6608

Trichromacy



Original Color

30.8192, 17.0585, 53.8928



Protanomaly

19.1251, 14.0330, 70.1073



Deuteranomaly

20.0686, 15.3469, 50.6197



Tritanomaly

24.6273, 16.4572, 24.4328

Monochromacy



Original Color

30.8192, 17.0585, 53.8928



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.0262, 14.9257, 27.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8192, 17.0585, 53.8928 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, 59, 196)` looks like.

```
.text, #text, p{  
    color:rgb(182, 59, 196)  
}
```

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, 59, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 59, 196) }
```

Border

The CSS property to change the border of an element to XYZ 30.8192, 17.0585, 53.8928 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, 59, 196) }
```


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

```
.border{ border-color:rgb(182, 59, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 59, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 59, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 59, 196);  
box-shadow:4px 4px 4px 4px rgb(182, 59,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8192, 17.0585, 53.8928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 59, 196) }
```

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

```
.background{ background-color: rgb(182, 59,  
196) }
```

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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