

Converting Colors

XYZ(33.4724, 20.0104, 55.0746)

Have a look what the booklet for
XYZ(33.4724, 20.0104, 55.0746)
contains.

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Color

**XYZ(33.4710, 20.0303,
54.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	BC4DC5
RGB	188, 77, 197
RGB Percent	74%, 30%, 77%
CMY	0.2627, 0.6980, 0.2274
CMYK	0.05, 0.61, 0.00, 0.23
HSL	296°, 51%, 54%
HSV	296°, 61%, 77%
XYZ	33.4710, 20.0303, 54.9255
YIQ	123.8690, 27.6360, 60.8520

Conversions

Conversions Part 2

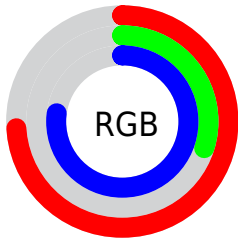
Format	Color
RYB	188, 77, 197
Decimal	12340677
CIELab	51.87, 60.54, -42.19
CIELCh	52, 73.787, 325.126
Yxy	20.0303, 0.3087, 0.1847
Android (android.graphics.Color)	4290530757 (0xFFBC4DC5)
YUV	123.8690, 36.0536, 56.2429
Hunter-Lab	44.7552, 55.1728, -41.4345

Details

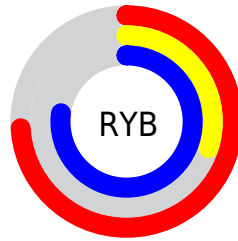
The XYZ color **33.4710, 20.0303, 54.9255** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **25.1441, 42.4472, 13.8899**, and the grayscale version is **18.9928, 19.9819, 21.7603**.

A 20% lighter version of the original color is **64.4984, 43.4324, 98.7498**, and **14.4157, 7.0038, 26.5787** is the 20% darker color. If you saturate the color by 10%, you get **31.9337, 17.4926, 54.5170**, and if you desaturate by 10%, it is **35.4309, 23.4063, 55.4741**.

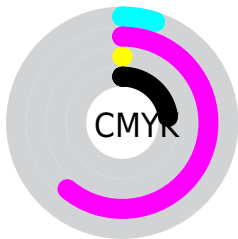
Distribution



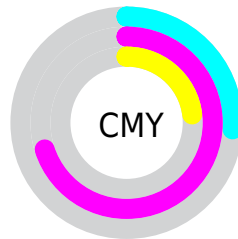
- Red (74%)
- Green (30%)
- Blue (77%)



- Red (74%)
- Yellow (30%)
- Blue (77%)



- Cyan (5%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)





- Cyan (26%)
- Magenta (70%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4710, 20.0303, 54.9255 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 33.4710, 20.0303, 54.9255 by changing the saturation by 10% instead.


 33.4710, 20.0303,
54.9255


 33.4710, 20.0303,
54.9255

309.3944,
252.0791, 422.9035


 22.6485, 12.4171,
38.9439


 64.4600, 43.4680,
98.9018

 14.4534, 7.0284,
26.4086


 85.3571, 60.0612,
127.7337


 8.5205, 3.4799,
16.9010


 110.3431, 80.4166,
161.6859

 4.4844, 1.3871,
10.0028

 139.7834,
104.9185, 201.1772

 1.9796, 0.2072,
5.2952

 174.0433,
133.9513, 246.6261

 0.6225, 0.0000,
2.3597

213.4882,

 0.0000, 0.0000,

167.8994, 298.4511

0.7644

258.4835,
207.1472, 357.0707

■ 0.0000, 0.0000,
0.0000

■ 33.4710, 20.0303,
54.9255

■ 33.4710, 20.0303,
54.9255

■ 31.9337, 17.4926,
54.5170

■ 35.4309, 23.4063,
55.4741

■ 30.7776, 15.7124,
54.2343

■ 37.8451, 27.6862,
56.1730

■ 29.9571, 14.5980,
54.0625

■ 40.7452, 32.9322,
57.0327

■ 29.4232, 14.0040,
53.9759

■ 44.1591, 39.2002,
58.0626

■ 48.1127, 46.5419,
59.2713

■ 52.6300, 55.0054,
60.6669

■ 57.7336, 64.6361,
62.2568

■ 63.4449, 75.4765,
64.0482

■ 69.7843, 87.5673,
66.0478

Harmonies

Analogous

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



25.8335, 20.0303, 84.5442



33.4710, 20.0303, 54.9255



37.3010, 20.0303, 25.5058

Triad

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



33.4710, 20.0303, 54.9255



20.2885, 20.0303, 1.1202



8.7474, 20.0303, 44.4367

Complementary

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



33.4710, 20.0303, 54.9255



25.1441, 42.4472, 13.8899

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.



7.9897, 20.0303, 18.4889



33.4710, 20.0303, 54.9255



13.5531, 20.0303, 1.7233

Square

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



33.4710, 20.0303, 54.9255



28.5198, 20.0303, 2.4526



9.4965, 20.0303, 5.7030



11.9323, 20.0303, 76.1862

Rectangle

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



33.4710, 20.0303, 54.9255



36.6055, 20.0303, 12.7181



9.4965, 20.0303, 5.7030



8.2429, 20.0303, 34.4440

Sweetspot

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



33.4718, 20.0312, 54.9259



80.8599, 73.4830, 104.5296



16.5475, 12.4262, 54.3500



16.8835, 14.9444, 22.2447



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.



33.4718, 20.0312, 54.9259



56.4582, 30.1656, 97.4546



30.9469, 19.2854, 29.6960



11.0016, 10.7746, 13.4173



19.3841, 9.2271, 35.5037



0.9418, 0.4493, 1.6822

Inverse Universe

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



27.3601, 17.8507, 10.8082



44.9129, 26.1194, 10.8196



26.8582, 43.0431, 26.9722



10.6656, 10.6496, 11.2224



15.2131, 7.8348, 1.0660



0.7318, 0.3756, 0.1108

Previews

White Background



This preview shows how the XYZ color 33.4710, 20.0303, 54.9255 looks on a white background.

Color Contrast Check

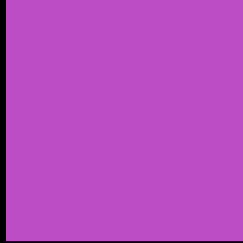
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.4710, 20.0303, 54.9255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

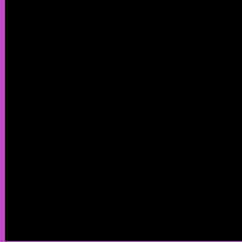
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4710, 20.0303, 54.9255

Background



This preview shows how black text looks on a background with the XYZ color 33.4710, 20.0303, 54.9255.



This preview shows how white text looks on a background with the XYZ color 33.4710, 20.0303,

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

33.4710, 20.0303, 54.9255

Protanopia

23.8940, 20.5055, 83.5875

Deuteranopia

20.9072, 20.4166, 50.9830



Tritanopia

25.6432, 19.9540, 16.9680

Trichromacy



Original Color

33.4710, 20.0303, 54.9255



Protanomaly

24.0953, 18.2316, 72.0611



Deuteranomaly

23.6742, 18.9104, 52.2715



Tritanomaly

27.7781, 19.5755, 27.5137

Monochromacy



Original Color

33.4710, 20.0303, 54.9255



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.8762, 18.9528, 31.7307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4710, 20.0303, 54.9255 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(188, 77, 197)` looks like.

```
.text, #text, p{  
    color:rgb(188, 77, 197)  
}
```

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(188, 77, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 77, 197) }
```

Border

The CSS property to change the border of an element to XYZ 33.4710, 20.0303, 54.9255 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(188, 77, 197) }
```


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

```
.border{ border-color:rgb(188, 77, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 77, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 77, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 77, 197);  
box-shadow:4px 4px 4px 4px rgb(188, 77,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4710, 20.0303, 54.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 77, 197) }
```

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

```
.background{ background-color: rgb(188, 77,  
197) }
```

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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