

Converting Colors

XYZ(33.2217, 19.5980, 45.0422)

Have a look what the booklet for
XYZ(33.2217, 19.5980, 45.0422)
contains.

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Color

**XYZ(33.3205, 19.6658,
45.2197)**

Conversions

Conversions Part 1

Format	Color
Hex	C448B4
RGB	196, 72, 180
RGB Percent	77%, 28%, 71%
CMY	0.2314, 0.7176, 0.2941
CMYK	0.00, 0.63, 0.08, 0.23
HSL	308°, 51%, 53%
HSV	308°, 63%, 77%
XYZ	33.3205, 19.6658, 45.2197
YIQ	121.3880, 39.2360, 59.8760

Conversions

Conversions Part 2

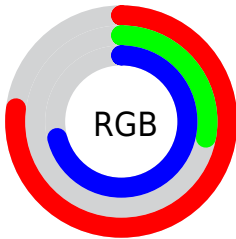
Format	Color
R_{YB}	196, 72, 180
Decimal	12863668
CIE _{Lab}	51.46, 61.79, -32.91
CIE _{LCh}	51, 70.010, 331.959
Yxy	19.6658, 0.3393, 0.2003
Android (android.graphics.Color)	4291053748 (0xFFC448B4)
YUV	121.3880, 28.8957, 65.4347
Hunter-Lab	44.3461, 56.5144, -29.4156

Details

The XYZ color **33.3205, 19.6658, 45.2197** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **24.1748, 41.5628, 15.9823**, and the grayscale version is **18.2009, 19.1488, 20.8530**.

A 20% lighter version of the original color is **64.0995, 42.7545, 84.2309**, and **14.4782, 7.0213, 20.6708** is the 20% darker color. If you saturate the color by 10%, you get **31.9942, 17.4214, 43.5181**, and if you desaturate by 10%, it is **35.0566, 22.7215, 47.0815**.

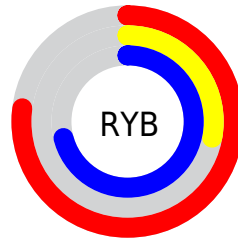
Distribution



Red (77%)

Green (28%)

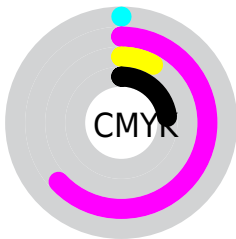
Blue (71%)



Red (77%)

Yellow (28%)

Blue (71%)

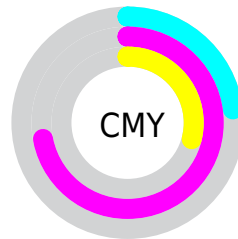


Cyan (0%)

Magenta (63%)

Yellow (8%)

Black (23%)



Cyan (23%)


Magenta (72%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3205, 19.6658, 45.2197 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 33.3205, 19.6658, 45.2197 by changing the saturation by 10% instead.

 33.3205, 19.6658,
45.2197


 33.3205, 19.6658,
45.2197


308.7310,
250.1001, 383.8487

 22.5325, 12.1523,
31.2863


 64.2269, 42.8562,
84.3719

 14.3675, 6.8475,
20.5567


 85.0760, 59.3019,
110.4279


 8.4601, 3.3669,
12.6123

 110.0096, 79.4938,
141.3617

 4.4450, 1.3262,
7.0345

 139.3929,
103.8163, 177.5920

 1.9568, 0.1613,
3.4049

 173.5913,
132.6537, 219.5373

 0.6095, 0.0000,
1.3049

212.9703,

 0.0000, 0.0000,

166.3906, 267.6162

0.0658

257.8950,
205.4113, 322.2471

■ 0.0000, 0.0000,
0.0000

■ 33.3205, 19.6658,
45.2197

■ 33.3205, 19.6658,
45.2197

■ 31.9942, 17.4214,
43.5181

■ 35.0566, 22.7215,
47.0815

■ 31.0358, 15.9057,
41.9619

■ 37.2353, 26.6551,
49.1140

■ 30.3978, 15.0235,
40.5356

■ 39.8882, 31.5297,
51.3279

■ 30.0881, 14.6650,
39.6275

■ 43.0436, 37.4014,
53.7330

■ 46.7274, 44.3224,
56.3378

■ 50.9638, 52.3408,
59.1507

■ 55.7754, 61.5020,
62.1792

■ 61.1838, 71.8488,
65.4306

■ 67.2091, 83.4218,
68.9118

Harmonies

Analogous

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



26.7880, 19.6658, 73.8268



33.3205, 19.6658, 45.2197



35.6932, 19.6658, 20.1178

Triad

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



33.3205, 19.6658, 45.2197



18.2339, 19.6658, 1.3541



9.4173, 19.6658, 49.0943

Complementary

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



33.3205, 19.6658, 45.2197



24.1748, 41.5628, 15.9823

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.



8.1846, 19.6658, 22.7621



33.3205, 19.6658, 45.2197



12.4172, 19.6658, 2.5083

Square

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



33.3205, 19.6658, 45.2197



25.7845, 19.6658, 2.2049



9.1280, 19.6658, 7.8935



13.0359, 19.6658, 76.8851

Rectangle

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



33.3205, 19.6658, 45.2197



34.2185, 19.6658, 9.9636



9.1280, 19.6658, 7.8935



8.7577, 19.6658, 39.3715

Sweetspot

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



33.3212, 19.6667, 45.2201



80.5035, 72.4917, 99.1659



16.1631, 10.6221, 53.4234



16.8313, 14.7667, 20.9379



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.



33.3212, 19.6667, 45.2201



57.2012, 30.3316, 77.6967



28.4451, 17.7163, 19.5429



10.4396, 10.2244, 12.4052



19.3552, 9.4318, 25.5803



0.8522, 0.4139, 1.1891

Inverse Universe

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



33.3212, 19.6667, 45.2201



57.2012, 30.3316, 77.6967



27.7956, 43.0112, 35.0493



10.4396, 10.2244, 12.4052



19.3552, 9.4318, 25.5803



0.8522, 0.4139, 1.1891

Previews

White Background



This preview shows how the XYZ color 33.3205, 19.6658, 45.2197 looks on a white background.

Color Contrast Check

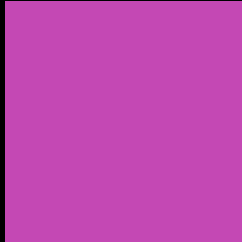
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3205, 19.6658, 45.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

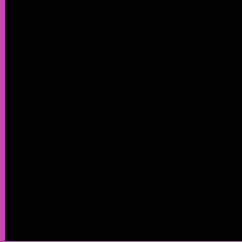
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3205, 19.6658, 45.2197

Background



This preview shows how black text looks on a background with the XYZ color 33.3205, 19.6658, 45.2197.



This preview shows how white text looks on a background with the XYZ color 33.3205, 19.6658,

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

33.3205, 19.6658, 45.2197

Protanopia

22.5917, 20.1092, 71.0974

Deuteranopia

20.3498, 19.9618, 41.8102



Tritanopia

27.0907, 19.6364, 14.6743

Trichromacy



Original Color

33.3205, 19.6658, 45.2197



Protanomaly

23.4620, 18.0083, 60.6319



Deuteranomaly

23.3356, 18.4847, 42.8954



Tritanomaly

28.8429, 19.3436, 23.3326

Monochromacy



Original Color

33.3205, 19.6658, 45.2197



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.9455, 17.9494, 27.8991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3205, 19.6658, 45.2197 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(196, 72, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 72, 180)  
}
```

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(196, 72, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 72, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.3205, 19.6658, 45.2197 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(196, 72, 180) }
```


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

```
.border{ border-color:rgb(196, 72, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 72, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 72, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 72, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 72,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3205, 19.6658, 45.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 72, 180) }
```

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

```
.background{ background-color: rgb(196, 72,  
180) }
```

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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