

Converting Colors

XYZ(33.4675, 21.7485, 28.0251)

Have a look what the booklet for
XYZ(33.4675, 21.7485, 28.0251)
contains.

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Color

**XYZ(33.4675, 21.7485,
28.0251)**

Conversions

Conversions Part 1

Format	Color
Hex	CD578E
RGB	205, 87, 142
RGB Percent	80%, 34%, 56%
CMY	0.1961, 0.6588, 0.4431
CMYK	0.00, 0.58, 0.31, 0.20
HSL	332°, 54%, 57%
HSV	332°, 58%, 80%
XYZ	33.4675, 21.7485, 28.0251
YIQ	128.5520, 52.6730, 42.1210

Conversions

Conversions Part 2

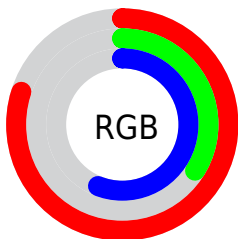
Format	Color
R_{YB}	205, 87, 142
Decimal	13457294
CIE _{Lab}	53.76, 52.39, -6.95
CIE _{LCh}	54, 52.846, 352.447
Yxy	21.7485, 0.4021, 0.2613
Android (android.graphics.Color)	4291647374 (0xFFCD578E)
YUV	128.5520, 6.6299, 67.0449
Hunter-Lab	46.6353, 46.4876, -2.9851

Details

The XYZ color **33.4675, 21.7485, 28.0251** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.2680, 47.8915, 36.4528**, and the grayscale version is **20.6753, 21.7520, 23.6879**.

A 20% lighter version of the original color is **60.8768, 44.5915, 57.6230**, and **14.4038, 7.8545, 10.8821** is the 20% darker color. If you saturate the color by 10%, you get **31.2553, 18.5752, 23.4303**, and if you desaturate by 10%, it is **36.2328, 25.8986, 33.2028**.

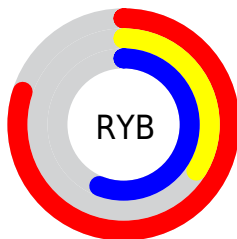
Distribution



Red (80%)

Green (34%)

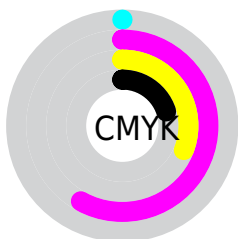
Blue (56%)



Red (80%)

Yellow (34%)

Blue (56%)

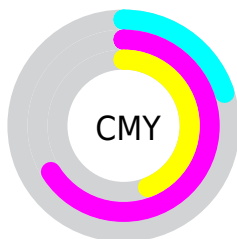


Cyan (0%)

Magenta (58%)

Yellow (31%)

Black (20%)



Cyan (20%)


Magenta (66%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4675, 21.7485, 28.0251 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 33.4675, 21.7485, 28.0251 by changing the saturation by 10% instead.

 33.4675, 21.7485,
28.0251


 33.4675, 21.7485,
28.0251


309.3789,
261.2301, 306.5025

 22.6458, 13.6722,
18.1054


 64.4545, 46.3300,
57.5481

 14.4514, 7.8930,
10.8554


 85.3505, 63.6039,
77.9884

 8.5191, 4.0266,
5.8568


 110.3354, 84.7126,
102.7728

 4.4834, 1.6884,
2.6908

 139.7743,
110.0404, 132.3196

 1.9791, 0.4162,
0.9388

174.0328,
139.9716, 167.0474

 0.6222, 0.0000,
0.0000

213.4762,

 0.0000, 0.0000,

174.8907, 207.3748

0.0000

258.4698,
215.1820, 253.7203

■ 33.4675, 21.7485,
28.0251

■ 33.4675, 21.7485,
28.0251

■ 31.2553, 18.5752,
23.4303

■ 36.2328, 25.8986,
33.2028

■ 29.5510, 16.2924,
19.3914

■ 39.5879, 31.0956,
38.9861

■ 28.3046, 14.8039,
15.8800

■ 43.5683, 37.4070,
45.3974

■ 27.4462, 13.9738,
12.8601

■ 48.2059, 44.8935,
52.4577

■ 27.2673, 13.8153,
12.1864

■ 53.5305, 53.6114,
60.1866

■ 59.5701, 63.6136,
68.6029

■ 66.3509, 74.9496,
77.7246

■ 73.8979, 87.6664,
87.5689

■ 76.7409, 90.8208,
96.3210

Harmonies

Analogous

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



30.5717, 21.7485, 48.2552



33.4675, 21.7485, 28.0251



32.4694, 21.7485, 13.6499

Triad

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



33.4675, 21.7485, 28.0251



16.7828, 21.7485, 4.9608



14.7145, 21.7485, 58.0471

Complementary

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



33.4675, 21.7485, 28.0251



31.2680, 47.8915, 36.4528

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.



12.1457, 21.7485, 37.7098



33.4675, 21.7485, 28.0251



13.1787, 21.7485, 9.2955

Square

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



33.4675, 21.7485, 28.0251



22.1373, 21.7485, 4.2582



11.6399, 21.7485, 19.8097



19.2714, 21.7485, 70.0582

Rectangle

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



33.4675, 21.7485, 28.0251



29.8019, 21.7485, 8.2435



11.6399, 21.7485, 19.8097



13.6267, 21.7485, 51.6113

Sweetspot

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



33.4681, 21.7496, 28.0255



79.2409, 73.9901, 86.3406



26.9942, 17.7032, 59.7520



16.6091, 15.2655, 17.9564



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.



33.4681, 21.7496, 28.0255



50.4776, 29.4344, 36.7651



30.6334, 21.1392, 11.4839



11.4263, 11.2992, 12.7793



17.0220, 8.6194, 7.8345



0.9164, 0.4599, 0.6054

Inverse Universe

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



33.4681, 21.7496, 28.0255



50.4776, 29.4344, 36.7651



35.8528, 48.2389, 65.1791



11.4263, 11.2992, 12.7793



17.0220, 8.6194, 7.8345



0.9164, 0.4599, 0.6054

Previews

White Background



This preview shows how the XYZ color 33.4675, 21.7485, 28.0251 looks on a white background.

Color Contrast Check

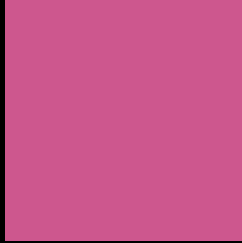
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4675, 21.7485, 28.0251 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 33.4675, 21.7485, 28.0251

Background



This preview shows how black text looks on a background with the XYZ color 33.4675, 21.7485, 28.0251.



This preview shows how white text looks on a background with the XYZ color 33.4675, 21.7485,

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

33.4675, 21.7485, 28.0251

Protanopia

22.3518, 22.1545, 40.6343

Deuteranopia

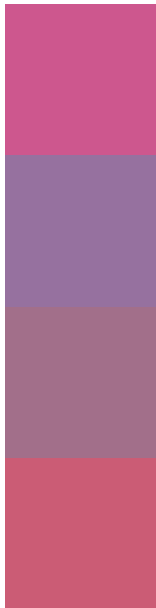
22.2588, 21.8481, 26.3365



Tritanopia

30.8476, 21.7003, 15.1331

Trichromacy



Original Color

33.4675, 21.7485, 28.0251

Protanomaly

24.7408, 20.7975, 35.5112

Deuteranomaly

25.1722, 20.8852, 26.7493

Tritanomaly

31.6666, 21.6352, 19.3366

Monochromacy



Original Color

33.4675, 21.7485, 28.0251

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.2250, 20.9240, 25.3162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4675, 21.7485, 28.0251 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(205, 87, 142)` looks like.

```
.text, #text, p{  
    color:rgb(205, 87, 142)  
}
```

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(205, 87, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 87, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.4675, 21.7485, 28.0251 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(205, 87, 142) }
```


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

```
.border{ border-color:rgb(205, 87, 142) }
```

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

Here you see how a box with a 4 pixel rgb(205, 87, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 87, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 87, 142);  
box-shadow:4px 4px 4px 4px rgb(205, 87,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4675, 21.7485, 28.0251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 87, 142) }
```

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

```
.background{ background-color: rgb(205, 87,  
142) }
```

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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