

# Converting Colors

XYZ(33.6278, 25.3817, 28.3261)

Have a look what the booklet for  
XYZ(33.6278, 25.3817, 28.3261)  
contains.

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# Color

**XYZ(33.6278, 25.3817,  
28.3261)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5708D
RGB	197, 112, 141
RGB Percent	77%, 44%, 55%
CMY	0.2275, 0.5608, 0.4471
CMYK	0.00, 0.43, 0.28, 0.23
HSL	340°, 42%, 61%
HSV	340°, 43%, 77%
XYZ	33.6278, 25.3817, 28.3261
YIQ	140.7210, 41.3510, 27.0390

# Conversions

## Conversions Part 2

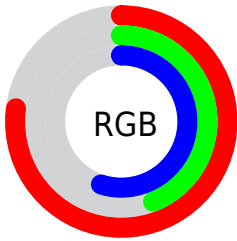
Format	Color
R <sub>Y</sub> B	197, 112, 141
Decimal	12939405
CIE Lab	57.45, 37.06, -1.04
CIE LCh	57, 37.076, 358.385
Yxy	25.3817, 0.3850, 0.2906
Android (android.graphics.Color)	4291129485 (0xFFC5708D)
YUV	140.7210, 0.1375, 49.3567
Hunter-Lab	50.3803, 30.9797, 1.9306

# Details

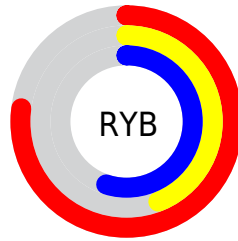
The XYZ color **33.6278, 25.3817, 28.3261** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.7173, 46.2050, 44.1894**, and the grayscale version is **25.1970, 26.5092, 28.8685**.

A 20% lighter version of the original color is **64.5455, 52.1104, 58.2862**, and **14.5416, 9.7555, 11.0141** is the 20% darker color. If you saturate the color by 10%, you get **30.7773, 21.1367, 22.8871**, and if you desaturate by 10%, it is **37.0684, 30.6255, 34.5208**.

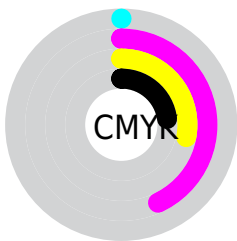
# Distribution



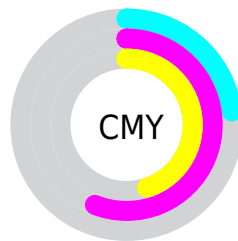
- Red (77%)
- Green (44%)
- Blue (55%)



- Red (77%)
- Yellow (44%)
- Blue (55%)



- Cyan (0%)
- Magenta (43%)
- Yellow (28%)
- Black (23%)




- Cyan (23%)
- Magenta (56%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6278, 25.3817, 28.3261 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 33.6278, 25.3817, 28.3261 by changing the saturation by 10% instead.




 33.6278, 25.3817,  
28.3261


 33.6278, 25.3817,  
28.3261


310.0844,  
279.7335, 307.9827

 22.7693, 16.3617,  
18.3304


 64.7026, 52.2758,  
58.0340


 14.5430, 9.7804,  
11.0156

 85.6496, 70.9186,  
78.5833

 8.5835, 5.2536,  
5.9630


 110.6903, 93.5378,  
103.4877

 4.5255, 2.3968,  
2.7542

 140.1898,  
120.5178, 133.1655

 2.0035, 0.8243,  
0.9705

174.5136,  
152.2430, 168.0353

 0.6359, 0.0000,  
0.0000

214.0271,

 0.0000, 0.0000,

189.0977, 208.5158

0.0000

259.0956,  
231.4665, 255.0254

■ 33.6278, 25.3817,  
28.3261

■ 33.6278, 25.3817,  
28.3261

■ 30.7773, 21.1367,  
22.8871

■ 37.0684, 30.6255,  
34.5208

■ 28.4796, 17.8225,  
18.1713

■ 41.1293, 36.9227,  
41.4987

■ 26.6961, 15.3685,  
14.1460


■ 45.8408, 44.3287,  
49.2878


■ 25.3822, 13.6921,  
10.7745


■ 51.2309, 52.8937,  
57.9138


■ 24.4846, 12.6945,  
8.0162


■ 57.3257, 62.6647,  
67.4017

 24.0453, 12.2781,  
6.4452

 64.1500, 73.6863,  
77.7751

 71.7273, 86.0008,  
89.0568

 75.2424, 89.9729,  
99.6561

 76.8360, 90.6103,  
108.0476

# Harmonies

## Analogous

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



32.0865, 25.3817, 42.4143



33.6278, 25.3817, 28.3261



32.3762, 25.3817, 17.6280

# Triad

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



33.6278, 25.3817, 28.3261



20.3153, 25.3817, 11.3089



19.9485, 25.3817, 53.8912

# Complementary

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



33.6278, 25.3817, 28.3261



33.7173, 46.2050, 44.1894

# 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.



17.4095, 25.3817, 40.8573



33.6278, 25.3817, 28.3261



17.6024, 25.3817, 16.7645

# Square

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



33.6278, 25.3817, 28.3261



24.3642, 25.3817, 9.7801



16.6051, 25.3817, 26.9579



23.8865, 25.3817, 59.6960



# Rectangle

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



33.6278, 25.3817, 28.3261



30.2028, 25.3817, 13.1707



16.6051, 25.3817, 26.9579



18.9219, 25.3817, 50.0472

# Sweetspot

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



33.6285, 25.3829, 28.3266



82.0522, 79.3152, 88.1946



31.8624, 23.8637, 55.7502



17.1358, 16.3030, 18.1810



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.



33.6285, 25.3829, 28.3266



55.2827, 38.0911, 41.3067



33.2535, 27.6454, 18.9142



10.7807, 10.6957, 11.8284



15.8511, 8.0900, 4.4259



0.7846, 0.3967, 0.3888



# Inverse Universe

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



33.6285, 25.3829, 28.3266



55.2827, 38.0911, 41.3067



33.9535, 41.8616, 59.1139



10.7807, 10.6957, 11.8284



15.8511, 8.0900, 4.4259



0.7846, 0.3967, 0.3888



# Previews

## White Background



This preview shows how the XYZ color 33.6278, 25.3817, 28.3261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

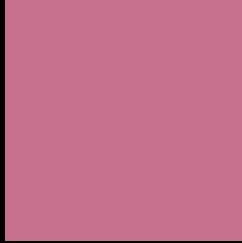
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 33.6278, 25.3817, 28.3261 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 33.6278, 25.3817, 28.3261**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.6278, 25.3817, 28.3261.



This preview shows how white text looks on a background with the XYZ color 33.6278, 25.3817,



# 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

33.6278, 25.3817, 28.3261

### Protanopia

25.0998, 25.5259, 35.0566

### Deuteranopia

25.9893, 25.5317, 27.2252



## Tritanopia

32.2745, 25.3188, 22.2547

# Trichromacy



## Original Color

33.6278, 25.3817, 28.3261

## Protanomaly

27.4056, 24.9418, 32.6480

## Deuteranomaly

28.1967, 25.0815, 27.3998

## Tritanomaly

32.8115, 25.3821, 24.2890

# Monochromacy



## Original Color

33.6278, 25.3817, 28.3261

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

27.4883, 25.4654, 28.6658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.6278, 25.3817, 28.3261 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(197, 112, 141)` looks like.

```
.text, #text, p{  
    color:rgb(197, 112, 141)  
}
```

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(197, 112, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 112, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 33.6278, 25.3817, 28.3261 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(197, 112, 141) }
```



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

```
.border{ border-color:rgb(197, 112, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 112, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 112, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 112, 141);  
box-shadow:4px 4px 4px 4px rgb(197, 112,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.6278, 25.3817, 28.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 112, 141) }
```

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

```
.background{ background-color: rgb(197,  
112, 141) }
```

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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