

# Converting Colors

XYZ(33.5351, 25.8037, 42.2686)

Have a look what the booklet for  
XYZ(33.5351, 25.8037, 42.2686)  
contains.

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# Color

**XYZ(33.5748, 25.8915,  
42.2577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B875AC
RGB	184, 117, 172
RGB Percent	72%, 46%, 67%
CMY	0.2784, 0.5412, 0.3255
CMYK	0.00, 0.36, 0.07, 0.28
HSL	311°, 32%, 59%
HSV	311°, 36%, 72%
XYZ	33.5748, 25.8915, 42.2577
YIQ	143.3030, 22.2770, 31.3090

# Conversions

## Conversions Part 2

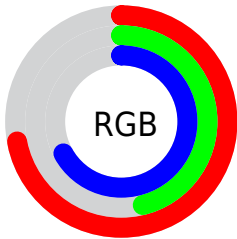
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 117, 172
Decimal	12088748
CIELab	57.93, 34.77, -18.41
CIELCh	58, 39.344, 332.095
Yxy	25.8915, 0.3301, 0.2545
Android (android.graphics.Color)	4290278828 (0xFFB875AC)
YUV	143.3030, 14.1476, 35.6913
Hunter-Lab	50.8837, 28.7339, -13.6204

# Details

The XYZ color **33.5748, 25.8915, 42.2577** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.4401, 39.6486, 26.9245**, and the grayscale version is **26.1692, 27.5320, 29.9824**.

A 20% lighter version of the original color is **64.5155, 52.9963, 79.5020**, and **14.6032, 10.1162, 18.9522** is the 20% darker color. If you saturate the color by 10%, you get **31.3255, 21.8929, 39.9658**, and if you desaturate by 10%, it is **36.2549, 30.7383, 44.7325**.

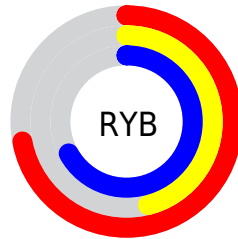
# Distribution



Red (72%)

Green (46%)

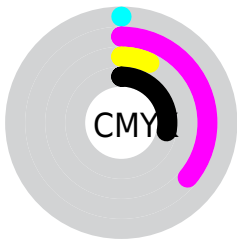
Blue (67%)



Red (72%)

Yellow (46%)

Blue (67%)

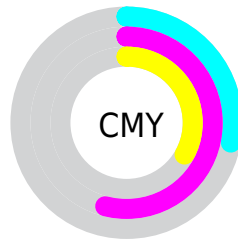


Cyan (0%)

Magenta (36%)

Yellow (7%)

Black (28%)



Cyan (28%)

Magenta (54%)

Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5748, 25.8915, 42.2577 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 33.5748, 25.8915, 42.2577 by changing the saturation by 10% instead.




 33.5748, 25.8915,  
42.2577


 33.5748, 25.8915,  
42.2577


309.8513,  
282.2491, 371.3812


 22.7285, 16.7425,  
28.9761


 64.6206, 53.0999,  
79.8638

 14.5127, 10.0511,  
18.8173


 85.5508, 71.9280,  
105.0253

 8.5622, 5.4328,  
11.3629


 110.5730, 94.7513,  
134.9839

 4.5116, 2.5034,  
6.1942

140.0525,  
121.9541, 170.1580

 1.9954, 0.8783,  
2.8928

174.3547,  
153.9210, 210.9663

 0.6314, 0.0000,  
1.0402

213.8451,

 0.0000, 0.0000,

191.0361, 257.8272

0.0000

258.8888,  
233.6840, 311.1593

■ 33.5748, 25.8915,  
42.2577

■ 33.5748, 25.8915,  
42.2577

■ 31.3255, 21.8929,  
39.9658

■ 36.2549, 30.7383,  
44.7325

■ 29.4798, 18.6893,  
37.8466

■ 39.3862, 36.4754,  
47.3964

■ 28.0110, 16.2271,  
35.8912

■ 42.9908, 43.1463,  
50.2574

■ 26.8882, 14.4446,  
34.0890

■ 47.0884, 50.7905,  
53.3223

■ 26.0754, 13.2700,  
32.4278

■ 51.6979, 59.4453,  
56.5976

■ 25.5251, 12.6082,  
30.8914

■ 56.8368, 69.1462,  
60.0895

■ 25.3568, 12.4262,  
30.3587

■ 62.5221, 79.9268,  
63.8038

■ 65.7627, 85.8046,  
66.7438

■ 66.1480, 85.9587,  
68.7729

# Harmonies

## Analogous

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



29.7766, 25.8915, 56.5920



33.5748, 25.8915, 42.2577



34.8877, 25.8915, 27.2477

# Triad

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



33.5748, 25.8915, 42.2577



24.2773, 25.8915, 9.3240



17.6669, 25.8915, 44.4601

# Complementary

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



33.5748, 25.8915, 42.2577



28.4401, 39.6486, 26.9245

# 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.



16.5781, 25.8915, 29.1567



33.5748, 25.8915, 42.2577



20.0769, 25.8915, 11.3556

# Square

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



33.5748, 25.8915, 42.2577



29.1260, 25.8915, 10.8429



17.4010, 25.8915, 17.6545



20.5851, 25.8915, 58.1245



# Rectangle

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



33.5748, 25.8915, 42.2577



34.0573, 25.8915, 19.4684



17.4010, 25.8915, 17.6545



17.0930, 25.8915, 39.1945

# Sweetspot

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



33.5756, 25.8927, 42.2582



74.7036, 72.2258, 88.5837



23.9414, 20.7868, 48.0982



15.9168, 15.2231, 18.9474



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5756, 25.8927, 42.2582



57.4163, 40.7975, 73.1219



30.8140, 24.7880, 27.7157



9.3100, 9.1344, 10.9801



17.4992, 8.5734, 21.0474



0.6352, 0.3095, 0.8382



# Inverse Universe

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



33.5756, 25.8927, 42.2582



57.4163, 40.7975, 73.1219



30.9695, 40.6603, 40.2442



9.3100, 9.1344, 10.9801



17.4992, 8.5734, 21.0474

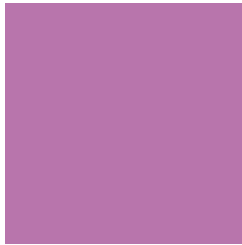


0.6352, 0.3095, 0.8382



# Previews

## White Background



This preview shows how the XYZ color 33.5748, 25.8915, 42.2577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

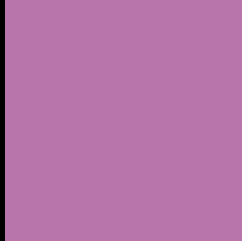
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5748, 25.8915, 42.2577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

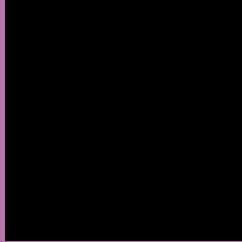
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.5748, 25.8915, 42.2577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.5748, 25.8915, 42.2577.



This preview shows how white text looks on a background with the XYZ color 33.5748, 25.8915,



# 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

33.5748, 25.8915, 42.2577

### Protanopia

26.6623, 26.2004, 50.6656

### Deuteranopia

26.5195, 25.9244, 40.6520



## Tritanopia

30.2271, 25.9722, 25.9742

# Trichromacy



## Original Color

33.5748, 25.8915, 42.2577

## Protanomaly

28.4588, 25.5457, 47.6868

## Deuteranomaly

28.5293, 25.5336, 40.9609

## Tritanomaly

31.3609, 25.8809, 31.3596

# Monochromacy



## Original Color

33.5748, 25.8915, 42.2577

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

28.4584, 26.6524, 34.2164

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5748, 25.8915, 42.2577 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(184, 117, 172)` looks like.

```
.text, #text, p{  
    color:rgb(184, 117, 172)  
}
```

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(184, 117, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 117, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5748, 25.8915, 42.2577 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(184, 117, 172) }
```



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

```
.border{ border-color:rgb(184, 117, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 117, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 117, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 117, 172);  
box-shadow:4px 4px 4px 4px rgb(184, 117,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5748, 25.8915, 42.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 117, 172) }
```

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

```
.background{ background-color: rgb(184,  
117, 172) }
```

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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