

# Converting Colors

XYZ(33.3118, 21.6244, 41.8872)

Have a look what the booklet for  
XYZ(33.3118, 21.6244, 41.8872)  
contains.

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# Color

**XYZ(33.3633, 21.6312,  
41.9520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C259AD
RGB	194, 89, 173
RGB Percent	76%, 35%, 68%
CMY	0.2392, 0.6510, 0.3216
CMYK	0.00, 0.54, 0.11, 0.24
HSL	312°, 46%, 55%
HSV	312°, 54%, 76%
XYZ	33.3633, 21.6312, 41.9520
YIQ	129.9710, 35.6160, 48.3840

# Conversions

## Conversions Part 2

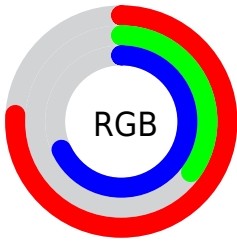
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 89, 173
Decimal	12736941
CIELab	53.63, 52.56, -25.48
CIELCh	54, 58.410, 334.142
Yxy	21.6312, 0.3441, 0.2231
Android (android.graphics.Color)	4290927021 (0xFFC259AD)
YUV	129.9710, 21.2133, 56.1534
Hunter-Lab	46.5094, 46.6549, -20.9237

# Details

The XYZ color **33.3633, 21.6312, 41.9520** 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 **26.2270, 41.8339, 21.4458**, and the grayscale version is **21.1272, 22.2275, 24.2057**.

A 20% lighter version of the original color is **64.4733, 46.1847, 79.6452**, and **14.4153, 7.8471, 18.5242** is the 20% darker color. If you saturate the color by 10%, you get **31.5866, 18.6696, 39.5342**, and if you desaturate by 10%, it is **35.5777, 25.4498, 44.5699**.

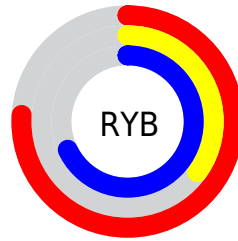
# Distribution



Red (76%)

Green (35%)

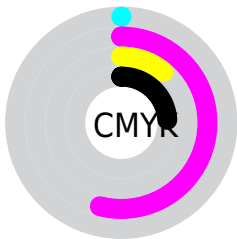
Blue (68%)



Red (76%)

Yellow (35%)

Blue (68%)

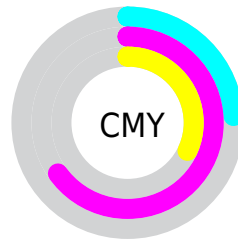


Cyan (0%)

Magenta (54%)

Yellow (11%)

Black (24%)



Cyan (24%)

Magenta (65%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3633, 21.6312, 41.9520 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 33.3633, 21.6312, 41.9520 by changing the saturation by 10% instead.



33.3633, 21.6312,  
41.9520

33.3633, 21.6312,  
41.9520

308.9197,  
260.6142, 370.0777

22.5655, 13.5862,  
28.7384

64.2932, 46.1357,  
79.3963

14.3919, 7.8334,  
18.6392

85.1560, 63.3639,  
104.4641

8.4773, 3.9885,  
11.2357

110.1045, 84.4220,  
134.3203

4.4562, 1.6671,  
6.1094

139.5040,  
109.6944, 169.3836

1.9633, 0.4023,  
2.8419

173.7199,  
139.5654, 210.0724

0.6132, 0.0000,  
1.0145

213.1176,

0.0000, 0.0000,

174.4194, 256.8054

0.0000

258.0624,  
214.6409, 310.0010

■ 33.3633, 21.6312,  
41.9520

■ 33.3633, 21.6312,  
41.9520

■ 31.5866, 18.6696,  
39.5342

■ 35.5777, 25.4498,  
44.5699

■ 30.2111, 16.4936,  
37.3033

■ 38.2581, 30.1835,  
47.3972

■ 29.1980, 15.0252,  
35.2462

■ 41.4331, 35.8885,  
50.4440

■ 28.4995, 14.1689,  
33.3463

■ 45.1283, 42.6159,  
53.7194

■ 28.1814, 13.8427,  
32.2845

■ 49.3674, 50.4132,  
57.2316

■ 54.1727, 59.3248,  
60.9885

■ 59.5653, 69.3926,  
64.9976

■ 65.5651, 80.6564,  
69.2659

■ 69.3839, 87.5397,  
72.8644

# Harmonies

## Analogous

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



28.0592, 21.6312, 64.9985



33.3633, 21.6312, 41.9520



35.0058, 21.6312, 21.1559

# Triad

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



33.3633, 21.6312, 41.9520



19.7049, 21.6312, 3.2125



12.1395, 21.6312, 48.5942

# Complementary

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



33.3633, 21.6312, 41.9520



26.2270, 41.8339, 21.4458

# 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.



10.7613, 21.6312, 26.1240



33.3633, 21.6312, 41.9520



14.5320, 21.6312, 5.0199

# Square

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



33.3633, 21.6312, 41.9520



26.2518, 21.6312, 4.1850



11.5395, 21.6312, 11.5161



15.7565, 21.6312, 70.0072



# Rectangle

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



33.3633, 21.6312, 41.9520



33.5735, 21.6312, 12.1049



11.5395, 21.6312, 11.5161



11.4364, 21.6312, 40.5961

# Sweetspot

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



33.3640, 21.6322, 41.9524



80.2516, 74.4498, 96.0243



19.7415, 14.3560, 52.7698



17.2583, 15.7272, 20.7518



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.



33.3640, 21.6322, 41.9524



56.6965, 32.9656, 70.8282



29.2420, 19.9834, 20.2460



10.4082, 10.2119, 12.2399



18.5580, 9.1130, 21.3823



0.8243, 0.4027, 1.0423



# Inverse Universe

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



33.3640, 21.6322, 41.9524



56.6965, 32.9656, 70.8282



29.9786, 43.3345, 41.2012



10.4082, 10.2119, 12.2399



18.5580, 9.1130, 21.3823



0.8243, 0.4027, 1.0423



# Previews

## White Background



This preview shows how the XYZ color 33.3633, 21.6312, 41.9520 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 33.3633, 21.6312, 41.9520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

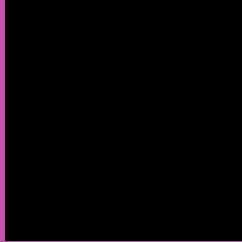
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.3633, 21.6312, 41.9520**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.3633, 21.6312, 41.9520.



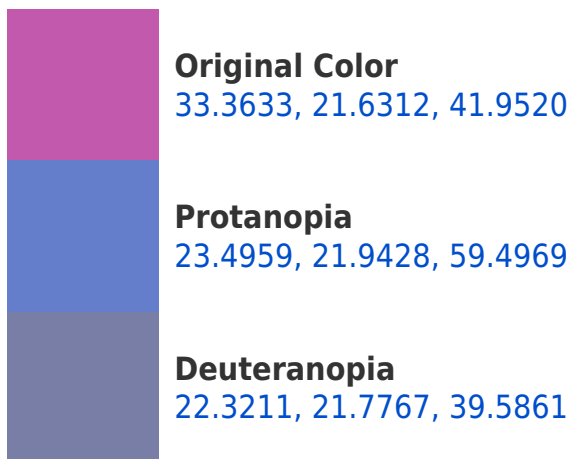
This preview shows how white text looks on a background with the XYZ color 33.3633, 21.6312,



# 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





## Tritanopia

28.3131, 21.6131, 17.7184

# Trichromacy



## Original Color

33.3633, 21.6312, 41.9520



## Protanomaly

25.2511, 20.6844, 52.5308



## Deuteranomaly

25.2793, 20.9707, 40.2515



## Tritanomaly

30.0001, 21.5921, 25.1408

# Monochromacy



## Original Color

33.3633, 21.6312, 41.9520



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

24.4559, 21.1091, 29.9796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.3633, 21.6312, 41.9520 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(194, 89, 173)` looks like.

```
.text, #text, p{  
    color:rgb(194, 89, 173)  
}
```

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(194, 89, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 89, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 33.3633, 21.6312, 41.9520 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(194, 89, 173) }
```



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

```
.border{ border-color:rgb(194, 89, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 89, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 89, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 89, 173);  
box-shadow:4px 4px 4px 4px rgb(194, 89,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.3633, 21.6312, 41.9520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 89, 173) }
```

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

```
.background{ background-color: rgb(194, 89,  
173) }
```

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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