

# Converting Colors

XYZ(45.8138, 41.1973, 66.3828)

Have a look what the booklet for  
XYZ(45.8138, 41.1973, 66.3828)  
contains.

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# Color

**XYZ(45.8636, 41.2192,  
66.5116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFA1D2
RGB	191, 161, 210
RGB Percent	75%, 63%, 82%
CMY	0.2510, 0.3686, 0.1765
CMYK	0.09, 0.23, 0.00, 0.18
HSL	277°, 35%, 73%
HSV	277°, 23%, 82%
XYZ	45.8636, 41.2192, 66.5116
YIQ	175.5560, 2.1510, 21.5990

# Conversions

## Conversions Part 2

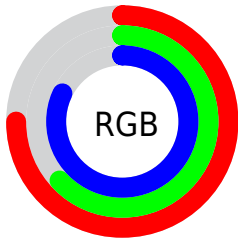
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 161, 210
Decimal	12558802
CIELab	70.33, 20.07, -20.85
CIELCh	70, 28.940, 313.897
Yxy	41.2192, 0.2986, 0.2684
Android (android.graphics.Color)	4290748882 (0xFFBFA1D2)
YUV	175.5560, 16.9809, 13.5444
Hunter-Lab	64.2022, 15.1598, -16.4812

# Details

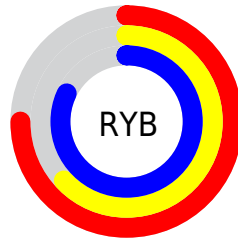
The XYZ color **45.8636, 41.2192, 66.5116** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3033, 58.3707, 42.4409**, and the grayscale version is **40.9507, 43.0833, 46.9177**.

A 20% lighter version of the original color is **81.3173, 76.2882, 105.0470**, and **21.7016, 18.6222, 33.4610** is the 20% darker color. If you saturate the color by 10%, you get **40.5065, 33.4605, 65.2970**, and if you desaturate by 10%, it is **51.9534, 50.2727, 67.9388**.

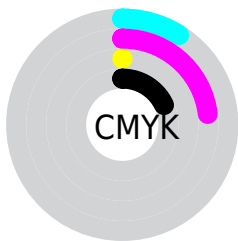
# Distribution



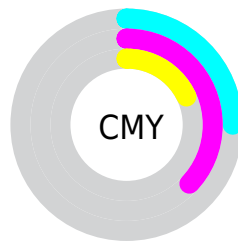
- Red (75%)
- Green (63%)
- Blue (82%)



- Red (75%)
- Yellow (63%)
- Blue (82%)



- Cyan (9%)
- Magenta (23%)
- Yellow (0%)
- Black (18%)



- Cyan (25%)
- Magenta (37%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8636, 41.2192, 66.5116 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 45.8636, 41.2192, 66.5116 by changing the saturation by 10% instead.



45.8636, 41.2192,  
66.5116

45.8636, 41.2192,  
66.5116

360.9851,  
351.2359, 466.6584

32.3424, 28.4904,  
48.2287

83.2439, 77.0165,  
115.8543

21.7800, 18.6957,  
33.6468

107.8338,  
100.8539, 147.7512

13.8110, 11.4506,  
22.3472

136.8438,  
129.1628, 185.0232

8.0701, 6.3708,  
13.9115

170.6395,  
162.3278, 228.0888

4.1921, 3.0718,  
7.9211

209.5861,  
200.7332, 277.3666

1.8113, 1.1693,  
3.9574

254.0490,

0.5245, 0.0364,

244.7634, 333.2751

1.6020

304.3936,  
294.8029, 396.2328

■ 0.0000, 0.0000,  
0.2923

■ 0.0000, 0.0000,  
0.0000

■ 45.8636, 41.2192,  
66.5116

■ 45.8636, 41.2192,  
66.5116

■ 40.5065, 33.4605,  
65.2970

■ 51.9534, 50.2727,  
67.9388

■ 35.8458, 26.9289,  
64.2819

■ 58.8026, 60.6739,  
69.5854

■ 31.8473, 21.5583,  
63.4560

■ 66.4408, 72.4792,  
71.4615

■ 28.4724, 17.2742,  
62.8070

■ 74.8953, 85.7399,  
73.5755

25.6779, 13.9932,  
62.3210

80.5798, 93.2816,  
74.7316

23.4142, 11.6190,  
61.9820

83.2806, 94.6739,  
74.8580

21.6217, 10.0358,  
61.7709

86.1054, 96.1302,  
74.9901

20.6212, 9.2868,  
61.6791

88.6330, 97.4332,  
75.1084

# Harmonies

## Analogous

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



41.4143, 41.2192, 75.3919



45.8636, 41.2192, 66.5116



48.6326, 41.2192, 52.5405

# Triad

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



45.8636, 41.2192, 66.5116



41.7681, 41.2192, 24.1346



30.9572, 41.2192, 51.4665

# Complementary

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



45.8636, 41.2192, 66.5116



48.3033, 58.3707, 42.4409

# 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.



31.0351, 41.2192, 38.0041



45.8636, 41.2192, 66.5116



37.0229, 41.2192, 23.9625

# Square

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



45.8636, 41.2192, 66.5116



46.1406, 41.2192, 29.0661



33.1752, 41.2192, 28.5359



32.9530, 41.2192, 65.5895



# Rectangle

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



45.8636, 41.2192, 66.5116



49.0235, 41.2192, 43.1249



33.1752, 41.2192, 28.5359



30.7471, 41.2192, 46.6835

# Sweetspot

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



45.8649, 41.2209, 66.5125



87.1169, 87.8461, 106.9722



42.7749, 45.1171, 67.4274



18.5063, 18.5892, 22.8626



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.



45.8649, 41.2209, 66.5125



66.8852, 57.7170, 102.2230



50.3559, 43.6056, 63.5844



11.8484, 11.7707, 14.8911



12.6940, 5.7243, 37.6283



0.7972, 0.3651, 2.1080



# Inverse Universe

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



47.5627, 42.4883, 48.8759



70.0913, 60.0925, 69.7210



44.6197, 56.4208, 44.5687



11.9958, 11.8831, 13.2536



17.1741, 8.7425, 5.8229

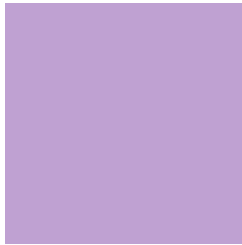


0.9987, 0.5042, 0.5279



# Previews

## White Background



This preview shows how the XYZ color 45.8636, 41.2192, 66.5116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

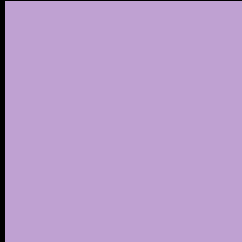
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8636, 41.2192, 66.5116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

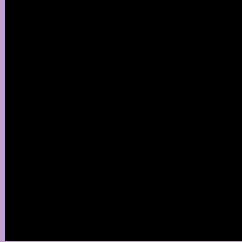
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8636, 41.2192, 66.5116**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8636, 41.2192, 66.5116.



This preview shows how white text looks on a background with the XYZ color 45.8636, 41.2192,



# 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

45.8636, 41.2192, 66.5116

### Protanopia

41.5971, 41.3363, 71.4319

### Deuteranopia

42.3058, 41.2666, 66.0571



## Tritanopia

42.3066, 41.3718, 48.9358

# Trichromacy



## Original Color

45.8636, 41.2192, 66.5116

## Protanomaly

42.9696, 41.2631, 69.3182

## Deuteranomaly

43.3239, 40.9787, 65.9479

## Tritanomaly

43.5981, 41.3632, 54.9762

# Monochromacy



## Original Color

45.8636, 41.2192, 66.5116

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

42.6961, 42.5804, 53.5455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8636, 41.2192, 66.5116 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(191, 161, 210)` looks like.

```
.text, #text, p{  
    color:rgb(191, 161, 210)  
}
```

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(191, 161, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 161, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8636, 41.2192, 66.5116 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(191, 161, 210) }
```



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

```
.border{ border-color:rgb(191, 161, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 161, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 161, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 161, 210);  
box-shadow:4px 4px 4px 4px rgb(191, 161,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8636, 41.2192, 66.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 161, 210) }
```

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

```
.background{ background-color: rgb(191,  
161, 210) }
```

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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