

# Converting Colors

XYZ(42.7955, 35.0107, 66.5583)

Have a look what the booklet for  
XYZ(42.7955, 35.0107, 66.5583)  
contains.

<b>XYZ(42.7919, 35.0466, 66.7967)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.7919, 35.0466,  
66.7967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE8ED4
RGB	190, 142, 212
RGB Percent	75%, 56%, 83%
CMY	0.2549, 0.4431, 0.1686
CMYK	0.10, 0.33, 0.00, 0.17
HSL	281°, 45%, 69%
HSV	281°, 33%, 83%
XYZ	42.7919, 35.0466, 66.7967
YIQ	164.3320, 6.1380, 31.9460

# Conversions

## Conversions Part 2

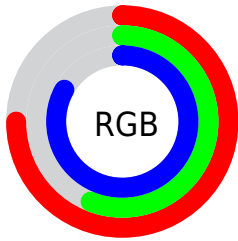
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 142, 212
Decimal	12488404
CIELab	65.78, 30.70, -28.93
CIELCh	66, 42.181, 316.695
Yxy	35.0466, 0.2959, 0.2423
Android (android.graphics.Color)	4290678484 (0xFFBE8ED4)
YUV	164.3320, 23.5003, 22.5108
Hunter-Lab	59.2002, 25.4256, -25.4579

# Details

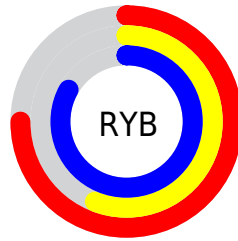
The XYZ color **42.7919, 35.0466, 66.7967** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.7369, 56.9333, 34.2768**, and the grayscale version is **35.3352, 37.1753, 40.4839**.

A 20% lighter version of the original color is **76.1477, 66.4740, 103.4251**, and **19.9802, 15.1507, 33.7696** is the 20% darker color. If you saturate the color by 10%, you get **38.3065, 28.4895, 65.7680**, and if you desaturate by 10%, it is **47.9555, 42.8455, 68.0304**.

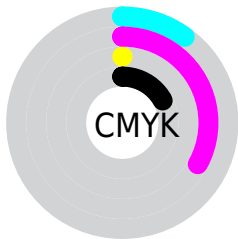
# Distribution



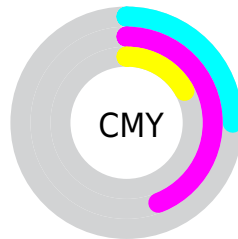
- Red (75%)
- Green (56%)
- Blue (83%)



- Red (75%)
- Yellow (56%)
- Blue (83%)



- Cyan (10%)
- Magenta (33%)
- Yellow (0%)
- Black (17%)



- Cyan (25%)
- Magenta (44%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7919, 35.0466, 66.7967 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 42.7919, 35.0466, 66.7967 by changing the saturation by 10% instead.



42.7919, 35.0466,  
66.7967

42.7919, 35.0466,  
66.7967

348.6913,  
324.7740, 467.7026

29.9157, 23.6988,  
48.4589

78.6544, 67.5580,  
116.2669

19.9224, 15.1103,  
33.8278

102.3714, 89.4903,  
148.2364

12.4465, 8.8968,  
22.4851

130.4327,  
115.7195, 185.5869

7.1229, 4.6740,  
14.0121

163.2037,  
146.6302, 228.7368

3.5861, 2.0573,  
7.9902

201.0497,  
182.6065, 278.1048

1.4708, 0.6404,  
4.0010

244.3360,

0.3058, 0.0000,

224.0330, 334.1094

1.6259

293.4281,  
271.2940, 397.1692

■ 0.0000, 0.0000,  
0.3092

■ 0.0000, 0.0000,  
0.0000

■ 42.7919, 35.0466,  
66.7967

■ 42.7919, 35.0466,  
66.7967

■ 38.3065, 28.4895,  
65.7680

■ 47.9555, 42.8455,  
68.0304

■ 34.4608, 23.1012,  
64.9306

■ 53.8263, 51.9452,  
69.4774

■ 31.2174, 18.8074,  
64.2728

■ 60.4356, 62.4060,  
71.1482

■ 28.5331, 15.5235,  
63.7804

■ 67.8117, 74.2833,  
73.0520

■ 26.3585, 13.1522,  
63.4373

■ 75.9815, 87.6292,  
75.1974

■ 24.6341, 11.5760,  
63.2240

■ 80.2702, 93.0930,  
76.0260

■ 23.6266, 10.8071,  
63.1287

■ 82.4494, 94.2165,  
76.1280

■ 84.7112, 95.3825,  
76.2339

■ 87.0565, 96.5915,  
76.3436

# Harmonies

## Analogous

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



36.8652, 35.0466, 81.2576



42.7919, 35.0466, 66.7967



46.3547, 35.0466, 46.5959

# Triad

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



42.7919, 35.0466, 66.7967



36.1391, 35.0466, 13.5940



23.1199, 35.0466, 48.8670

# Complementary

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



42.7919, 35.0466, 66.7967



43.7369, 56.9333, 34.2768

# 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.



22.9767, 35.0466, 30.8088



42.7919, 35.0466, 66.7967



29.9924, 35.0466, 13.8591

# Square

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



42.7919, 35.0466, 66.7967



42.2036, 35.0466, 18.2705



25.3449, 35.0466, 19.1612



25.7640, 35.0466, 68.8986



# Rectangle

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



42.7919, 35.0466, 66.7967



46.6538, 35.0466, 34.3051



25.3449, 35.0466, 19.1612



22.7903, 35.0466, 42.2929

# Sweetspot

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



42.7931, 35.0481, 66.7975



84.5606, 83.3073, 106.2308



36.3456, 37.1163, 67.5365



17.8040, 17.3661, 22.6636



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.



42.7931, 35.0481, 66.7975



59.8551, 45.6814, 100.2704



47.1536, 37.4757, 58.8835



12.5557, 12.4279, 15.6746



14.6933, 6.7272, 38.9772



0.9699, 0.4489, 2.3548



# Inverse Universe

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



43.5263, 36.0248, 39.7827



61.3942, 47.5477, 51.8723



40.6024, 55.1996, 39.4531



12.5824, 12.4845, 13.7413



17.4206, 8.9046, 4.2532



1.0877, 0.5519, 0.4514



# Previews

## White Background



This preview shows how the XYZ color 42.7919, 35.0466, 66.7967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

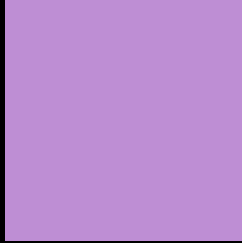
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7919, 35.0466, 66.7967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

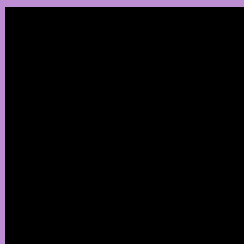
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.7919, 35.0466, 66.7967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7919, 35.0466, 66.7967.



This preview shows how white text looks on a background with the XYZ color 42.7919, 35.0466, 66.7967.



# 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

42.7919, 35.0466, 66.7967

### Protanopia

36.4966, 35.4110, 75.4324

### Deuteranopia

35.9600, 35.1070, 65.2026



## Tritanopia

37.3675, 35.1681, 39.4690

# Trichromacy



## Original Color

42.7919, 35.0466, 66.7967

## Protanomaly

38.2471, 34.8929, 72.4293

## Deuteranomaly

38.1709, 35.0021, 65.7170

## Tritanomaly

39.1801, 34.9551, 48.3981

# Monochromacy



## Original Color

42.7919, 35.0466, 66.7967

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.4625, 35.9974, 48.6898

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7919, 35.0466, 66.7967 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(190, 142, 212)` looks like.

```
.text, #text, p{  
    color:rgb(190, 142, 212)  
}
```

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(190, 142, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 142, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7919, 35.0466, 66.7967 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".

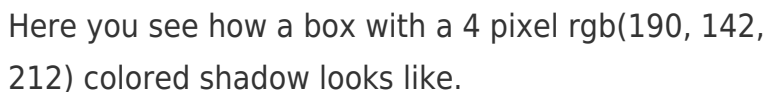
```
.border, #border, table{ border:4px solid rgb(190, 142, 212) }
```



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

```
.border{ border-color:rgb(190, 142, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(190, 142, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 142, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 142, 212);  
box-shadow:4px 4px 4px 4px rgb(190, 142,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7919, 35.0466, 66.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 142, 212) }
```

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

```
.background{ background-color: rgb(190,  
142, 212) }
```

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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