

# Converting Colors

XYZ(41.2796, 35.0799, 60.4725)

Have a look what the booklet for  
XYZ(41.2796, 35.0799, 60.4725)  
contains.

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# Color

**XYZ(41.2796, 35.0799,  
60.4725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB91CA
RGB	187, 145, 202
RGB Percent	73%, 57%, 79%
CMY	0.2667, 0.4314, 0.2078
CMYK	0.07, 0.28, 0.00, 0.21
HSL	284°, 35%, 68%
HSV	284°, 28%, 79%
XYZ	41.2796, 35.0799, 60.4725
YIQ	164.0560, 6.7350, 26.6310

# Conversions

## Conversions Part 2

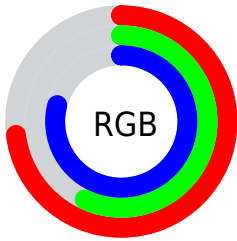
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 145, 202
Decimal	12292554
CIE Lab	65.81, 26.02, -23.34
CIE LCh	66, 34.954, 318.097
Yxy	35.0799, 0.3017, 0.2564
Android (android.graphics.Color)	4290482634 (0xFFBB91CA)
YUV	164.0560, 18.7064, 20.1219
Hunter-Lab	59.2283, 20.7574, -19.0757

# Details

The XYZ color **41.2796, 35.0799, 60.4725** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.7298, 51.7598, 34.6337**, and the grayscale version is **35.2258, 37.0603, 40.3586**.

A 20% lighter version of the original color is **75.7817, 67.2999, 103.6038**, and **19.0209, 15.1301, 29.9349** is the 20% darker color. If you saturate the color by 10%, you get **37.1869, 28.7889, 59.4745**, and if you desaturate by 10%, it is **45.9715, 42.4963, 61.6573**.

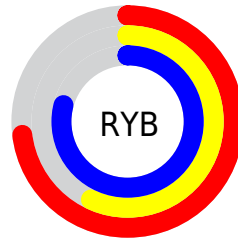
# Distribution



Red (73%)

Green (57%)

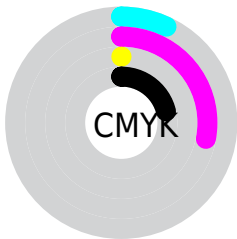
Blue (79%)



Red (73%)

Yellow (57%)

Blue (79%)

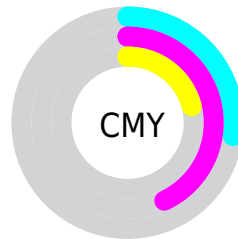


Cyan (7%)

Magenta (28%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (43%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2796, 35.0799, 60.4725 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 41.2796, 35.0799, 60.4725 by changing the saturation by 10% instead.





 41.2796, 35.0799,  
60.4725


 41.2796, 35.0799,  
60.4725

342.5305,  
324.9209, 444.1901

 28.7263, 23.7244,  
43.3718


 76.3802, 67.6095,  
107.0649

 19.0171, 15.1293,  
29.8434


 99.6581, 89.5525,  
137.3936

 11.7867, 8.9102,  
19.4687

127.2417,  
115.7934, 172.9688

 6.6698, 4.6827,  
11.8292

159.4961,  
146.7166, 214.2089

 3.3009, 2.0623,  
6.5064

196.7869,  
182.7066, 261.5326

 1.3148, 0.6433,  
3.0816

239.4793,

 0.1943, 0.0000,

224.1477, 315.3583

1.1365

287.9387,  
271.4243, 376.1047

■ 0.0000, 0.0000,  
0.0000

■ 41.2796, 35.0799,  
60.4725

■ 41.2796, 35.0799,  
60.4725

■ 37.1869, 28.7889,  
59.4745

■ 45.9715, 42.4963,  
61.6573

■ 33.6604, 23.5603,  
58.6511

■ 51.2866, 51.0877,  
63.0354

■ 30.6689, 19.3319,  
57.9926

■ 57.2517, 60.9061,  
64.6162

■ 28.1767, 16.0329,  
57.4872

■ 63.8910, 71.9991,  
66.4074

■ 26.1434, 13.5832,  
57.1215

■ 71.2273, 84.4118,  
68.4166

■ 24.5214, 11.8886,  
56.8799

■ 75.6031, 90.8283,  
69.4245

■ 23.2391, 10.8067,  
56.7387

■ 77.2271, 91.6656,  
69.5005

■ 23.0265, 10.6391,  
56.7175

■ 78.9027, 92.5294,  
69.5789

■ 80.6303, 93.4200,  
69.6598

# Harmonies

## Analogous

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



36.5180, 35.0799, 72.0437



41.2796, 35.0799, 60.4725



44.0155, 35.0799, 44.3573

# Triad

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



41.2796, 35.0799, 60.4725



35.4295, 35.0799, 16.6038



24.7780, 35.0799, 47.7128

# Complementary

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



41.2796, 35.0799, 60.4725



40.7298, 51.7598, 34.6337

# 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.



24.5512, 35.0799, 32.6335



41.2796, 35.0799, 60.4725



30.3564, 35.0799, 17.0636

# Square

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



41.2796, 35.0799, 60.4725



40.4123, 35.0799, 20.7202



26.4940, 35.0799, 22.1970



27.1492, 35.0799, 63.4676



# Rectangle

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



41.2796, 35.0799, 60.4725



44.1533, 35.0799, 34.3346



26.4940, 35.0799, 22.1970



24.4581, 35.0799, 42.3367

# Sweetspot

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



41.2807, 35.0814, 60.4733



86.9364, 86.6639, 106.7535



34.9446, 35.4966, 60.8874



18.2988, 18.0458, 22.7687



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.



41.2807, 35.0814, 60.4733



65.4466, 52.5228, 101.2962



43.6363, 36.4699, 52.7140



11.3883, 11.2495, 14.1415



14.9047, 6.8912, 36.5008



0.8378, 0.3910, 1.8863



# Inverse Universe

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



40.8288, 35.3469, 37.9300



64.7148, 53.1429, 56.2039



38.9962, 50.7406, 40.2235



11.3315, 11.2613, 12.2804



16.1210, 8.2590, 3.0899



0.8637, 0.4389, 0.3282



# Previews

## White Background



This preview shows how the XYZ color 41.2796, 35.0799, 60.4725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

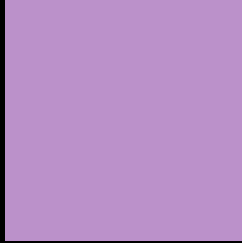
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2796, 35.0799, 60.4725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

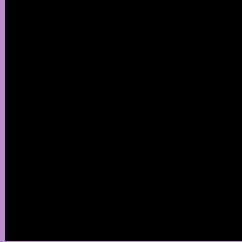
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2796, 35.0799, 60.4725**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2796, 35.0799, 60.4725.



This preview shows how white text looks on a background with the XYZ color 41.2796, 35.0799,

60.4725.

# 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

41.2796, 35.0799, 60.4725

### Protanopia

35.7876, 35.2269, 67.2006

### Deuteranopia

35.9999, 35.2526, 59.5506



## Tritanopia

36.9851, 34.9606, 39.9207

# Trichromacy



## Original Color

41.2796, 35.0799, 60.4725

## Protanomaly

37.2736, 34.8101, 64.4290

## Deuteranomaly

37.8702, 35.2150, 60.0595

## Tritanomaly

38.3118, 34.7765, 46.8128

# Monochromacy



## Original Color

41.2796, 35.0799, 60.4725

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.1061, 36.0990, 47.1316

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2796, 35.0799, 60.4725 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(187, 145, 202)` looks like.

```
.text, #text, p{  
    color:rgb(187, 145, 202)  
}
```

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(187, 145, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 145, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2796, 35.0799, 60.4725 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(187, 145, 202) }
```



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

```
.border{ border-color:rgb(187, 145, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 145, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 145, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 145, 202);  
box-shadow:4px 4px 4px 4px rgb(187, 145,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2796, 35.0799, 60.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 145, 202) }
```

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

```
.background{ background-color: rgb(187,  
145, 202) }
```

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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