

# Converting Colors

XYZ(35.3122, 29.6443, 43.1017)

Have a look what the booklet for  
XYZ(35.3122, 29.6443, 43.1017)  
contains.

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# Color

**XYZ(35.2261, 29.5484,  
42.8765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B784AC
RGB	183, 132, 172
RGB Percent	72%, 52%, 67%
CMY	0.2823, 0.4823, 0.3255
CMYK	0.00, 0.28, 0.06, 0.28
HSL	313°, 26%, 62%
HSV	313°, 28%, 72%
XYZ	35.2261, 29.5484, 42.8765
YIQ	151.8090, 17.5560, 23.2520

# Conversions

## Conversions Part 2

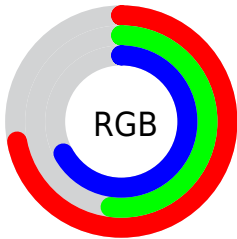
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 132, 172
Decimal	12027052
CIELab	61.26, 26.12, -13.38
CIElCh	61, 29.352, 332.875
Yxy	29.5484, 0.3272, 0.2745
Android (android.graphics.Color)	4290217132 (0xFFB784AC)
YUV	151.8090, 9.9542, 27.3545
Hunter-Lab	54.3584, 20.5467, -8.7155

# Details

The XYZ color **35.2261, 29.5484, 42.8765** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.4084, 40.7566, 32.1998**, and the grayscale version is **29.7167, 31.2642, 34.0467**.

A 20% lighter version of the original color is **67.3592, 59.1891, 80.5475**, and **15.4607, 12.0578, 19.2818** is the 20% darker color. If you saturate the color by 10%, you get **32.5855, 24.8646, 40.1538**, and if you desaturate by 10%, it is **38.3150, 35.1099, 45.8049**.

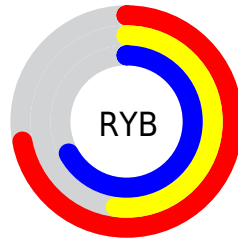
# Distribution



Red (72%)

Green (52%)

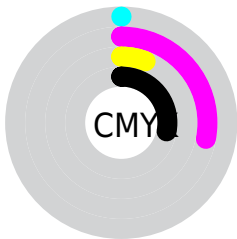
Blue (67%)



Red (72%)

Yellow (52%)

Blue (67%)

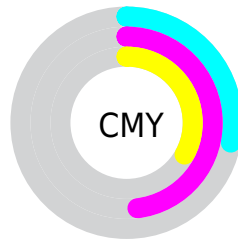


Cyan (0%)

Magenta (28%)

Yellow (6%)

Black (28%)



Cyan (28%)

Magenta (48%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2261, 29.5484, 42.8765 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 35.2261, 29.5484, 42.8765 by changing the saturation by 10% instead.





 35.2261, 29.5484,  
42.8765


 35.2261, 29.5484,  
42.8765


317.0558,  
299.7937, 374.0099


 24.0044, 19.4961,  
29.4575


 67.1676, 58.9473,  
80.8088

 15.4617, 12.0293,  
19.1787


 88.6181, 79.0626,  
106.1593

 9.2324, 6.7636,  
11.6213


 114.2090,  
103.3010, 136.3239

 4.9514, 3.3147,  
6.3670

144.3056,  
132.0470, 171.7214

 2.2533, 1.2982,  
2.9971

179.2732,  
165.6848, 212.7702

 0.7706, 0.1398,  
1.0932

219.4772,

 0.0000, 0.0000,

204.5990, 259.8889

0.0000

265.2829,  
249.1738, 313.4959

■ 35.2261, 29.5484,  
42.8765

■ 35.2261, 29.5484,  
42.8765

■ 32.5855, 24.8646,  
40.1538

■ 38.3150, 35.1099,  
45.8049

■ 30.3678, 21.0090,  
37.6267

■ 41.8708, 41.5875,  
48.9446

■ 28.5489, 17.9334,  
35.2873

■ 45.9140, 49.0217,  
52.3034

■ 27.1012, 15.5827,  
33.1257

■ 50.4635, 57.4499,  
55.8878

■ 25.9937, 13.8948,  
31.1311

■ 55.5368, 66.9071,  
59.7042

■ 25.1899, 12.7972,  
29.2909

■ 61.1508, 77.4268,  
63.7588

■ 24.6333, 12.1771,  
27.5858

■ 65.6711, 85.7404,  
67.5070

■ 24.5266, 12.0666,  
27.2328

■ 66.1374, 85.9269,  
69.9627

■ 66.6157, 86.1182,  
72.4815

# Harmonies

## Analogous

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



32.3117, 29.5484, 53.5441



35.2261, 29.5484, 42.8765



36.1735, 29.5484, 31.1182

# Triad

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



35.2261, 29.5484, 42.8765



27.7141, 29.5484, 15.2640



22.2984, 29.5484, 45.1531

# Complementary

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



35.2261, 29.5484, 42.8765



31.4084, 40.7566, 32.1998

# 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.



21.3019, 29.5484, 33.2517



35.2261, 29.5484, 42.8765



24.2438, 29.5484, 17.4131

# Square

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



35.2261, 29.5484, 42.8765



31.6085, 29.5484, 16.7142



21.9805, 29.5484, 23.4181



24.8333, 29.5484, 55.0562



# Rectangle

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



35.2261, 29.5484, 42.8765



35.4975, 29.5484, 24.5940



21.9805, 29.5484, 23.4181



21.7835, 29.5484, 41.1686

# Sweetspot

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



35.2270, 29.5497, 42.8771



74.8090, 74.1520, 87.5039



27.9895, 25.6915, 48.2840



16.2998, 15.9696, 19.1347



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.



35.2270, 29.5497, 42.8771



60.3084, 47.9706, 73.9778



33.0708, 28.6873, 31.5229



9.2957, 9.1287, 10.9048



17.1361, 8.4282, 19.1351



0.6251, 0.3055, 0.7851



# Inverse Universe

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



35.2270, 29.5497, 42.8771



60.3084, 47.9706, 73.9778



33.4902, 41.5893, 43.1628



9.2957, 9.1287, 10.9048



17.1361, 8.4282, 19.1351

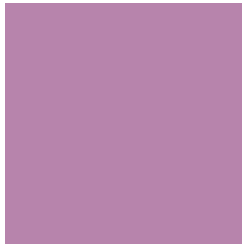


0.6251, 0.3055, 0.7851



# Previews

## White Background



This preview shows how the XYZ color 35.2261, 29.5484, 42.8765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

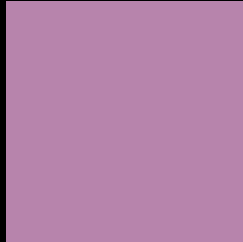
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2261, 29.5484, 42.8765 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 35.2261, 29.5484, 42.8765**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2261, 29.5484, 42.8765.



This preview shows how white text looks on a background with the XYZ color 35.2261, 29.5484,

42.8765.

# 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

35.2261, 29.5484, 42.8765

### Protanopia

29.6924, 29.8203, 48.4469

### Deuteranopia

30.1779, 29.5242, 42.1384



## Tritanopia

33.0345, 29.7012, 31.5956

# Trichromacy



## Original Color

35.2261, 29.5484, 42.8765

## Protanomaly

31.4192, 29.6283, 46.1823

## Deuteranomaly

31.8330, 29.4830, 42.5411

## Tritanomaly

33.7208, 29.5520, 35.3793

# Monochromacy



## Original Color

35.2261, 29.5484, 42.8765

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.4877, 30.5405, 37.0362

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2261, 29.5484, 42.8765 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(183, 132, 172)` looks like.

```
.text, #text, p{  
    color:rgb(183, 132, 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(183, 132, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 132, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2261, 29.5484, 42.8765 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(183, 132, 172) }
```



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

```
.border{ border-color:rgb(183, 132, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 132, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 132, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 132, 172);  
box-shadow:4px 4px 4px 4px rgb(183, 132,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2261, 29.5484, 42.8765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 132, 172) }
```

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

```
.background{ background-color: rgb(183,  
132, 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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