

# Converting Colors

XYZ(42.5877, 34.2219, 45.9497)

Have a look what the booklet for  
XYZ(42.5877, 34.2219, 45.9497)  
contains.

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# Color

**XYZ(42.6136, 34.3310,  
45.9755)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF89B1
RGB	207, 137, 177
RGB Percent	81%, 54%, 69%
CMY	0.1882, 0.4627, 0.3059
CMYK	0.00, 0.34, 0.14, 0.19
HSL	326°, 42%, 67%
HSV	326°, 34%, 81%
XYZ	42.6136, 34.3310, 45.9755
YIQ	162.4900, 28.8800, 27.2800

# Conversions

## Conversions Part 2

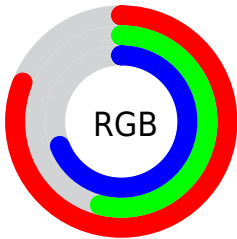
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 137, 177
Decimal	13601201
CIE Lab	65.22, 32.58, -10.00
CIE LCh	65, 34.079, 342.933
Yxy	34.3310, 0.3467, 0.2793
Android (android.graphics.Color)	4291791281 (0xFFCF89B1)
YUV	162.4900, 7.1534, 39.0353
Hunter-Lab	58.5927, 27.2833, -5.5078

# Details

The XYZ color **42.6136, 34.3310, 45.9755** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.6059, 52.7351, 44.6530**, and the grayscale version is **34.5313, 36.3296, 39.5630**.

A 20% lighter version of the original color is **74.5788, 64.4048, 85.5914**, and **19.7284, 14.6901, 20.8645** is the 20% darker color. If you saturate the color by 10%, you get **39.0928, 28.6586, 40.5800**, and if you desaturate by 10%, it is **46.7584, 41.1585, 51.8634**.

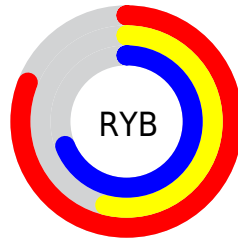
# Distribution



Red (81%)

Green (54%)

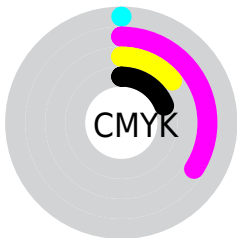
Blue (69%)



Red (81%)

Yellow (54%)

Blue (69%)

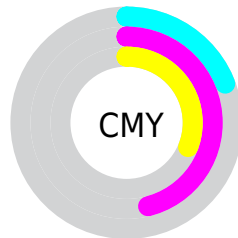


Cyan (0%)

Magenta (34%)

Yellow (14%)

Black (19%)



Cyan (19%)

Magenta (46%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6136, 34.3310, 45.9755 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 42.6136, 34.3310, 45.9755 by changing the saturation by 10% instead.



42.6136, 34.3310,  
45.9755

42.6136, 34.3310,  
45.9755

347.9688,  
321.6055, 386.9849

29.7753, 23.1480,  
31.8780

78.3868, 66.4481,  
85.5162

19.8153, 14.7028,  
21.0043

102.0524, 88.1509,  
111.7965

12.3683, 8.6111,  
12.9358

130.0577,  
114.1292, 142.9748

7.0690, 4.4884,  
7.2542

162.7682,  
144.7673, 179.4696

3.5520, 1.9503,  
3.5407

200.5492,  
180.4495, 221.6994

1.4520, 0.5784,  
1.3769

243.7661,

0.2928, 0.0000,

221.5604, 270.0829

0.1236

292.7842,  
268.4842, 325.0385

■ 0.0000, 0.0000,  
0.0000

■ 42.6136, 34.3310,  
45.9755

■ 42.6136, 34.3310,  
45.9755

■ 39.0928, 28.6586,  
40.5800

■ 46.7584, 41.1585,  
51.8634

■ 36.1596, 24.0714,  
35.6583

■ 51.5550, 49.1963,  
58.2572

■ 33.7781, 20.4992,  
31.1933


■ 57.0332, 58.5020,  
65.1721


■ 31.9071, 17.8613,  
27.1657


■ 63.2199, 69.1279,  
72.6221


■ 30.4992, 16.0650,  
23.5538


■ 70.1407, 81.1233,  
80.6205


 29.4973, 14.9978,  
20.3324

 75.8080, 90.5118,  
88.5094

 29.0191, 14.5802,  
18.5120

 77.0878, 91.0237,  
95.2489

 78.4320, 91.5614,  
102.3273

 79.5424, 92.0055,  
108.1743

# Harmonies

## Analogous

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



39.5608, 34.3310, 61.1319



42.6136, 34.3310, 45.9755



42.8265, 34.3310, 31.5995

# Triad

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



42.6136, 34.3310, 45.9755



30.5441, 34.3310, 16.5928



26.1395, 34.3310, 59.2200

# Complementary

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



42.6136, 34.3310, 45.9755



39.6059, 52.7351, 44.6530

# 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.



24.1968, 34.3310, 43.8270



42.6136, 34.3310, 45.9755



26.5610, 34.3310, 20.7489

# Square

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



42.6136, 34.3310, 45.9755



35.5078, 34.3310, 16.8911



24.3428, 34.3310, 29.9298



29.9131, 34.3310, 70.0078



# Rectangle

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



42.6136, 34.3310, 45.9755



41.2993, 34.3310, 24.4207



24.3428, 34.3310, 29.9298



25.2686, 34.3310, 54.2661

# Sweetspot

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



42.6146, 34.3326, 45.9762



85.7377, 84.1117, 97.3606



35.9705, 30.5231, 63.0277



18.0910, 17.5621, 20.5070



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.



42.6146, 34.3326, 45.9762



63.8749, 47.8792, 66.9721



39.6244, 33.1365, 30.2298



12.0877, 11.9198, 13.7378



18.3314, 9.2054, 11.9174



1.0643, 0.5304, 0.8735



# Inverse Universe

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



42.6146, 34.3326, 45.9762



63.8749, 47.8792, 66.9721



43.1927, 54.1698, 63.5413



12.0877, 11.9198, 13.7378



18.3314, 9.2054, 11.9174



1.0643, 0.5304, 0.8735



# Previews

## White Background



This preview shows how the XYZ color 42.6136, 34.3310, 45.9755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

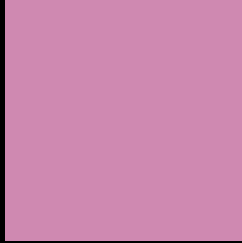
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6136, 34.3310, 45.9755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

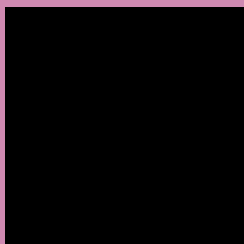
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.6136, 34.3310, 45.9755**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6136, 34.3310, 45.9755.



This preview shows how white text looks on a background with the XYZ color 42.6136, 34.3310,

45.9755.

# 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

42.6136, 34.3310, 45.9755

### Protanopia

34.3001, 34.5070, 53.5679

### Deuteranopia

35.1319, 34.3827, 44.8293



## Tritanopia

40.0942, 34.1541, 34.1850

# Trichromacy



## Original Color

42.6136, 34.3310, 45.9755

## Protanomaly

36.6766, 34.0861, 50.5452

## Deuteranomaly

37.6192, 34.2200, 45.1798

## Tritanomaly

40.9879, 34.3085, 38.1801

# Monochromacy



## Original Color

42.6136, 34.3310, 45.9755

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

36.7264, 35.0375, 41.3864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6136, 34.3310, 45.9755 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(207, 137, 177)` looks like.

```
.text, #text, p{  
    color:rgb(207, 137, 177)  
}
```

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(207, 137, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 137, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6136, 34.3310, 45.9755 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(207, 137, 177) }
```



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

```
.border{ border-color:rgb(207, 137, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 137, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 137, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 137, 177);  
box-shadow:4px 4px 4px 4px rgb(207, 137,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6136, 34.3310, 45.9755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 137, 177) }
```

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

```
.background{ background-color: rgb(207,  
137, 177) }
```

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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