

# Converting Colors

XYZ(40.7163, 33.1069, 43.8211)

Have a look what the booklet for  
XYZ(40.7163, 33.1069, 43.8211)  
contains.

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# Color

**XYZ(40.7041, 33.1820,  
43.7946)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA88AD
RGB	202, 136, 173
RGB Percent	79%, 53%, 68%
CMY	0.2078, 0.4666, 0.3216
CMYK	0.00, 0.33, 0.14, 0.21
HSL	326°, 38%, 66%
HSV	326°, 33%, 79%
XYZ	40.7041, 33.1820, 43.7946
YIQ	159.9520, 27.4590, 25.4990

# Conversions

## Conversions Part 2

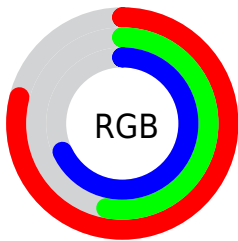
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 136, 173
Decimal	13273261
CIE <sub>Lab</sub>	64.31, 30.72, -9.17
CIE <sub>LCh</sub>	64, 32.064, 343.380
Yxy	33.1820, 0.3459, 0.2820
Android (android.graphics.Color)	4291463341 (0xFFCA88AD)
YUV	159.9520, 6.4327, 36.8761
Hunter-Lab	57.6038, 25.3253, -4.7539

# Details

The XYZ color **40.7041, 33.1820, 43.7946** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.0668, 50.1928, 43.2814**, and the grayscale version is **33.3548, 35.0918, 38.2150**.

A 20% lighter version of the original color is **73.6570, 63.6883, 81.8097**, and **18.7323, 14.0805, 19.8197** is the 20% darker color. If you saturate the color by 10%, you get **37.2923, 27.6873, 38.5596**, and if you desaturate by 10%, it is **44.7110, 39.7748, 49.5102**.

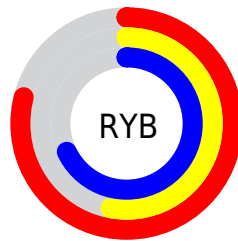
# Distribution



Red (79%)

Green (53%)

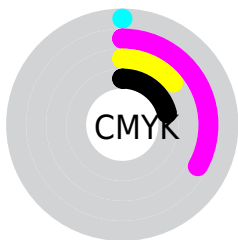
Blue (68%)



Red (79%)

Yellow (53%)

Blue (68%)

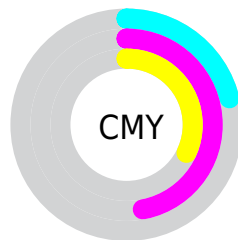


Cyan (0%)

Magenta (33%)

Yellow (14%)

Black (21%)



Cyan (21%)

Magenta (47%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7041, 33.1820, 43.7946 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 40.7041, 33.1820, 43.7946 by changing the saturation by 10% instead.





 40.7041, 33.1820,  
43.7946

 40.7041, 33.1820,  
43.7946

340.1661,  
316.4690, 377.8862


 28.2746, 22.2659,  
30.1731


 75.5121, 64.6596,  
82.2078

 18.6743, 14.0524,  
19.7168


 98.6212, 85.9898,  
107.8364

 11.5378, 8.1571,  
12.0073


 126.0210,  
111.5603, 138.3046

 6.4997, 4.1957,  
6.6261

158.0767,  
141.7553, 174.0308

 3.1948, 1.7836,  
3.1545

195.1537,  
176.9593, 215.4335

 1.2576, 0.4769,  
1.1741

237.6174,

 0.1511, 0.0000,

217.5567, 262.9312

0.0000

285.8331,  
263.9318, 316.9427

■ 0.0000, 0.0000,  
0.0000

■ 40.7041, 33.1820,  
43.7946

■ 40.7041, 33.1820,  
43.7946

■ 37.2923, 27.6873,  
38.5596

■ 44.7110, 39.7748,  
49.5102

■ 34.4415, 23.2254,  
33.7875

■ 49.3390, 47.5172,  
55.7194

■ 32.1182, 19.7308,  
29.4617


■ 54.6161, 56.4629,  
62.4369


■ 30.2842, 17.1289,  
25.5638


■ 60.5675, 66.6610,  
69.6761


■ 28.8957, 15.3339,  
22.0732


■ 67.2172, 78.1578,  
77.4499


 27.9000, 14.2426,  
18.9663

 73.8803, 89.5819,  
85.5349

 27.3514, 13.7543,  
16.9063

 75.1322, 90.0826,  
92.1273

 76.4482, 90.6090,  
99.0570

 77.8290, 91.1613,  
106.3285

# Harmonies

## Analogous

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



37.9492, 33.1820, 57.6154



40.7041, 33.1820, 43.7946



40.8563, 33.1820, 30.6267

# Triad

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



40.7041, 33.1820, 43.7946



29.5535, 33.1820, 16.7989



25.5878, 33.1820, 56.2568

# Complementary

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



40.7041, 33.1820, 43.7946



38.0668, 50.1928, 43.2814

# 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.



23.7574, 33.1820, 42.2550



40.7041, 33.1820, 43.7946



25.8937, 33.1820, 20.7848

# Square

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



40.7041, 33.1820, 43.7946



34.1122, 33.1820, 17.0203



23.8637, 33.1820, 29.4155



29.0976, 33.1820, 65.9130



# Rectangle

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



40.7041, 33.1820, 43.7946



39.4376, 33.1820, 24.0044



23.8637, 33.1820, 29.4155



24.7715, 33.1820, 51.7738

# Sweetspot

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



40.7051, 33.1835, 43.7953



85.6958, 84.0949, 97.1400



34.9002, 29.8308, 59.7960



18.0808, 17.5580, 20.4536



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.



40.7051, 33.1835, 43.7953



64.8486, 49.6044, 67.9819



37.9257, 32.0718, 29.1592



11.4712, 11.3172, 13.0161



17.6456, 8.8688, 11.1183



0.9481, 0.4726, 0.7724



# Inverse Universe

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



40.7051, 33.1835, 43.7953



64.8486, 49.6044, 67.9819



41.4219, 51.5349, 60.9492



11.4712, 11.3172, 13.0161



17.6456, 8.8688, 11.1183

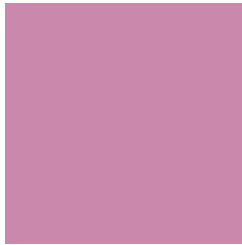


0.9481, 0.4726, 0.7724



# Previews

## White Background



This preview shows how the XYZ color 40.7041, 33.1820, 43.7946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

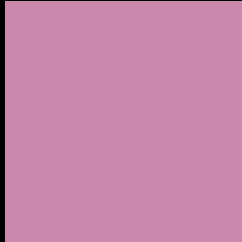
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7041, 33.1820, 43.7946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

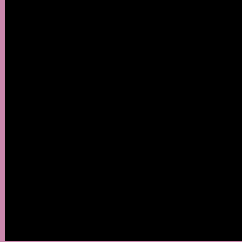
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.7041, 33.1820, 43.7946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7041, 33.1820, 43.7946.



This preview shows how white text looks on a background with the XYZ color 40.7041, 33.1820,



# 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

40.7041, 33.1820, 43.7946

### Protanopia

33.0560, 33.4295, 50.6092

### Deuteranopia

34.0010, 33.3581, 42.6769



## Tritanopia

38.5172, 33.1326, 33.6433

# Trichromacy



## Original Color

40.7041, 33.1820, 43.7946

## Protanomaly

35.2926, 32.9510, 48.2161

## Deuteranomaly

35.9897, 32.9630, 42.9937

## Tritanomaly

39.3100, 33.2478, 37.1465

# Monochromacy



## Original Color

40.7041, 33.1820, 43.7946

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

35.5373, 33.9638, 40.2800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7041, 33.1820, 43.7946 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(202, 136, 173)` looks like.

```
.text, #text, p{  
    color:rgb(202, 136, 173)  
}
```

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(202, 136, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 136, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7041, 33.1820, 43.7946 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(202, 136, 173) }
```



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

```
.border{ border-color:rgb(202, 136, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 136, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 136, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 136, 173);  
box-shadow:4px 4px 4px 4px rgb(202, 136,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7041, 33.1820, 43.7946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 136, 173) }
```

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

```
.background{ background-color: rgb(202,  
136, 173) }
```

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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