

# Converting Colors

XYZ(42.8707, 33.4231, 54.5545)

Have a look what the booklet for  
XYZ(42.8707, 33.4231, 54.5545)  
contains.

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# Color

**XYZ(42.9150, 33.4627,  
54.6492)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC85C1
RGB	204, 133, 193
RGB Percent	80%, 52%, 76%
CMY	0.2000, 0.4784, 0.2431
CMYK	0.00, 0.35, 0.05, 0.20
HSL	309°, 41%, 66%
HSV	309°, 35%, 80%
XYZ	42.9150, 33.4627, 54.6492
YIQ	161.0690, 23.0560, 33.7120

# Conversions

## Conversions Part 2

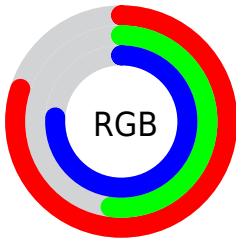
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 133, 193
Decimal	13403585
CIE <sub>Lab</sub>	64.53, 36.46, -20.09
CIE <sub>LCh</sub>	65, 41.625, 331.141
Yxy	33.4627, 0.3275, 0.2554
Android (android.graphics.Color)	4291593665 (0xFFCC85C1)
YUV	161.0690, 15.7420, 37.6505
Hunter-Lab	57.8470, 31.1919, -15.5196

# Details

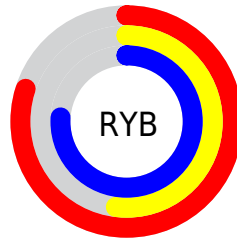
The XYZ color **42.9150, 33.4627, 54.6492** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.3012, 50.1869, 34.1613**, and the grayscale version is **33.8309, 35.5928, 38.7605**.

A 20% lighter version of the original color is **76.2656, 63.7028, 98.7187**, and **20.0719, 14.2882, 26.1261** is the 20% darker color. If you saturate the color by 10%, you get **40.0400, 28.2705, 51.9700**, and if you desaturate by 10%, it is **46.3420, 39.7457, 57.5503**.

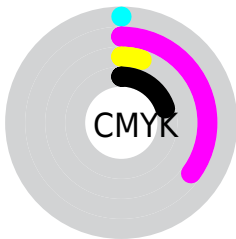
# Distribution



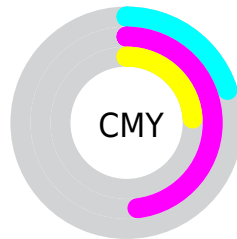
- Red (80%)
- Green (52%)
- Blue (76%)



- Red (80%)
- Yellow (52%)
- Blue (76%)



- Cyan (0%)
- Magenta (35%)
- Yellow (5%)
- Black (20%)




- Cyan (20%)
- Magenta (48%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9150, 33.4627, 54.6492 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 42.9150, 33.4627, 54.6492 by changing the saturation by 10% instead.





 42.9150, 33.4627,  
54.6492


 42.9150, 33.4627,  
54.6492

349.1895,  
317.7296, 421.8252


 30.0127, 22.4811,  
38.7242


 78.8391, 65.0972,  
98.4928

 19.9963, 14.2109,  
26.2391

 102.5915, 86.5190,  
127.2485

 12.5006, 8.2675,  
16.7752


 130.6914,  
112.1897, 161.1181

 7.1602, 4.2666,  
9.9141

163.5041,  
142.4935, 200.5203

 3.6097, 1.8238,  
5.2372

201.3949,  
177.8151, 245.8736

 1.4838, 0.5019,  
2.3259

244.7291,

 0.3148, 0.0000,

218.5387, 297.5965

0.7457

293.8722,  
265.0487, 356.1075

■ 0.0000, 0.0000,  
0.0000

■ 42.9150, 33.4627,  
54.6492

■ 42.9150, 33.4627,  
54.6492

■ 40.0400, 28.2705,  
51.9700

■ 46.3420, 39.7457,  
57.5503

■ 37.6824, 24.1015,  
49.4999

■ 50.3468, 47.1729,  
60.6810

■ 35.8082, 20.8875,  
47.2276


■ 54.9576, 55.7997,  
64.0514


■ 34.3784, 18.5506,  
45.1400


■ 60.1995, 65.6766,  
67.6700

■ 33.3477, 16.9999,  
43.2217


■ 66.0965, 76.8510,  
71.5451


 32.6608, 16.1253,  
41.4539

 72.5414, 89.1092,  
75.6411

 32.3863, 15.8312,  
40.5767

 72.9441, 89.2703,  
77.7615

 73.3546, 89.4345,  
79.9233

 73.7730, 89.6019,  
82.1266

# Harmonies

## Analogous

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



38.0967, 33.4627, 72.2920



42.9150, 33.4627, 54.6492



44.6707, 33.4627, 35.7866

# Triad

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



42.9150, 33.4627, 54.6492



31.5780, 33.4627, 12.5124



22.9833, 33.4627, 56.1435

# Complementary

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



42.9150, 33.4627, 54.6492



36.3012, 50.1869, 34.1613

# 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.



21.6827, 33.4627, 37.0916



42.9150, 33.4627, 54.6492



26.2477, 33.4627, 14.9701

# Square

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



42.9150, 33.4627, 54.6492



37.6533, 33.4627, 14.6124



22.8003, 33.4627, 22.7978



26.5965, 33.4627, 73.3272



# Rectangle

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



42.9150, 33.4627, 54.6492



43.7146, 33.4627, 25.8488



22.8003, 33.4627, 22.7978



22.2829, 33.4627, 49.5771

# Sweetspot

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



42.9160, 33.4642, 54.6499



86.8182, 84.5439, 103.0501



30.7287, 27.0343, 60.7259



18.3533, 17.6670, 21.8882



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.



42.9160, 33.4642, 54.6499



67.3066, 48.6054, 87.0363



39.4493, 32.0775, 36.3941



11.6100, 11.3727, 13.7466



20.4122, 9.9755, 25.6871



1.0737, 0.5229, 1.4340



# Inverse Universe

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



42.9160, 33.4642, 54.6499



67.3066, 48.6054, 87.0363



39.4188, 51.4340, 50.5788



11.6100, 11.3727, 13.7466



20.4122, 9.9755, 25.6871



1.0737, 0.5229, 1.4340



# Previews

## White Background



This preview shows how the XYZ color 42.9150, 33.4627, 54.6492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

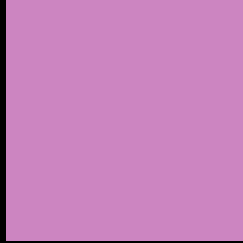
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9150, 33.4627, 54.6492 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 42.9150, 33.4627, 54.6492**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9150, 33.4627, 54.6492.



This preview shows how white text looks on a background with the XYZ color 42.9150, 33.4627,



# 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

42.9150, 33.4627, 54.6492

### Protanopia

34.3853, 33.7969, 65.0328

### Deuteranopia

34.2868, 33.5245, 52.8079



## Tritanopia

38.7456, 33.4589, 34.1219

# Trichromacy



**Original Color**

42.9150, 33.4627, 54.6492

**Protanomaly**

36.7303, 33.1786, 60.9681

**Deuteranomaly**

36.8067, 33.1597, 53.1757

**Tritanomaly**

40.1509, 33.3845, 40.8869

# Monochromacy



**Original Color**

42.9150, 33.4627, 54.6492

**Achromatopsia**

33.8758, 35.6400, 38.8120

**Achromatomaly**

36.7409, 34.4975, 44.2574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9150, 33.4627, 54.6492 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(204, 133, 193)` looks like.

```
.text, #text, p{  
    color:rgb(204, 133, 193)  
}
```

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(204, 133, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 133, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9150, 33.4627, 54.6492 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(204, 133, 193) }
```



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

```
.border{ border-color:rgb(204, 133, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 133, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 133, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 133, 193);  
box-shadow:4px 4px 4px 4px rgb(204, 133,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9150, 33.4627, 54.6492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 133, 193) }
```

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

```
.background{ background-color: rgb(204,  
133, 193) }
```

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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