

# Converting Colors

XYZ(45.0220, 34.1448, 59.8153)

Have a look what the booklet for  
XYZ(45.0220, 34.1448, 59.8153)  
contains.

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# Color

**XYZ(45.2064, 34.3221,  
60.1193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D184CA
RGB	209, 132, 202
RGB Percent	82%, 52%, 79%
CMY	0.1804, 0.4823, 0.2078
CMYK	0.00, 0.37, 0.03, 0.18
HSL	305°, 46%, 67%
HSV	305°, 37%, 82%
XYZ	45.2064, 34.3221, 60.1193
YIQ	163.0030, 23.4220, 38.0940

# Conversions

## Conversions Part 2

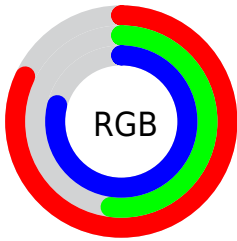
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 132, 202
Decimal	13731018
CIE Lab	65.22, 40.22, -24.05
CIE LCh	65, 46.858, 329.124
Yxy	34.3221, 0.3237, 0.2458
Android (android.graphics.Color)	4291921098 (0xFFD184CA)
YUV	163.0030, 19.2255, 40.3394
Hunter-Lab	58.5851, 35.2133, -19.8331

# Details

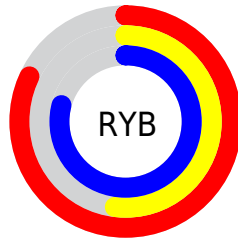
The XYZ color **45.2064, 34.3221, 60.1193** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.9778, 52.3716, 32.5879**, and the grayscale version is **34.7196, 36.5277, 39.7786**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **21.3508, 14.6477, 29.7190** is the 20% darker color. If you saturate the color by 10%, you get **42.4278, 29.1221, 58.0902**, and if you desaturate by 10%, it is **48.5577, 40.6617, 62.3537**.

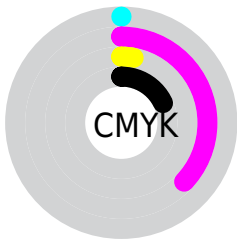
# Distribution



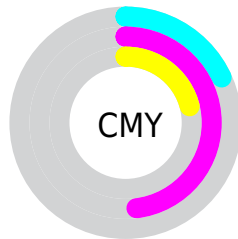
- Red (82%)
- Green (52%)
- Blue (79%)



- Red (82%)
- Yellow (52%)
- Blue (79%)



- Cyan (0%)
- Magenta (37%)
- Yellow (3%)
- Black (18%)




- Cyan (18%)
- Magenta (48%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2064, 34.3221, 60.1193 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 45.2064, 34.3221, 60.1193 by changing the saturation by 10% instead.





 45.2064, 34.3221,  
60.1193


 45.2064, 34.3221,  
60.1193


358.3785,  
321.5659, 442.8542


 31.8220, 23.1412,  
43.0889


 82.2652, 66.4342,  
106.5478

 21.3805, 14.6978,  
29.6229


 106.6703, 88.1342,  
136.7829

 13.5164, 8.6075,  
19.3029


 135.4797,  
114.1094, 172.2567

 7.8646, 4.4861,  
11.7104

169.0588,  
144.7440, 213.3876

 4.0595, 1.9490,  
6.4266

207.7728,  
180.4226, 260.5943

 1.7358, 0.5776,  
3.0332

251.9872,

 0.4785, 0.0000,

221.5295, 314.2953

1.1116

302.0673,  
268.4492, 374.9091

■ 0.0000, 0.0000,  
0.0000

■ 45.2064, 34.3221,  
60.1193

■ 45.2064, 34.3221,  
60.1193

■ 42.4278, 29.1221,  
58.0902

■ 48.5577, 40.6617,  
62.3537

■ 40.1844, 24.9888,  
56.2527

■ 52.5097, 48.1989,  
64.8017

■ 38.4397, 21.8485,  
54.5951


■ 57.0924, 56.9931,  
67.4737


■ 37.1510, 19.6157,  
53.1029


■ 62.3329, 67.0985,  
70.3788


■ 36.2683, 18.1906,  
51.7596


■ 68.2569, 78.5662,  
73.5256


 35.7264, 17.4428,  
50.5433

 74.1161, 89.9000,  
76.6647

 35.5890, 17.2731,  
50.1730

 74.3594, 89.9973,  
77.9458

 74.6055, 90.0958,  
79.2418

 74.8545, 90.1953,  
80.5528

# Harmonies

## Analogous

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



39.4221, 34.3221, 80.6581



45.2064, 34.3221, 60.1193



47.5515, 34.3221, 37.9475

# Triad

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



45.2064, 34.3221, 60.1193



32.8228, 34.3221, 11.0103



22.4646, 34.3221, 58.7654

# Complementary

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



45.2064, 34.3221, 60.1193



36.9778, 52.3716, 32.5879

# 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.



21.1988, 34.3221, 36.8002



45.2064, 34.3221, 60.1193



26.6529, 34.3221, 13.2446

# Square

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



45.2064, 34.3221, 60.1193



39.8170, 34.3221, 13.5339



22.6211, 34.3221, 21.2351



26.3508, 34.3221, 79.7038



# Rectangle

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



45.2064, 34.3221, 60.1193



46.6301, 34.3221, 26.3783



22.6211, 34.3221, 21.2351



21.7446, 34.3221, 51.0584

# Sweetspot

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



45.2075, 34.3236, 60.1200



86.3375, 83.2276, 103.9836



30.3118, 26.5466, 63.8487



18.2688, 17.4092, 22.1338



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.



45.2075, 34.3236, 60.1200



67.4832, 47.4252, 91.8226



41.2554, 32.7428, 39.3086



12.2625, 11.9897, 14.6582



21.9620, 10.6577, 31.0360



1.2418, 0.6015, 1.8084



# Inverse Universe

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



45.2075, 34.3236, 60.1200



67.4832, 47.4252, 91.8226



40.2450, 53.6785, 49.7927



12.2625, 11.9897, 14.6582



21.9620, 10.6577, 31.0360



1.2418, 0.6015, 1.8084



# Previews

## White Background



This preview shows how the XYZ color 45.2064, 34.3221, 60.1193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

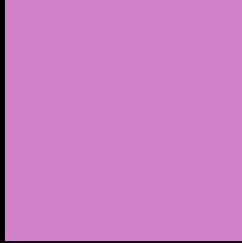
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2064, 34.3221, 60.1193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

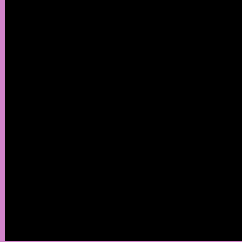
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.2064, 34.3221, 60.1193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2064, 34.3221, 60.1193.



This preview shows how white text looks on a background with the XYZ color 45.2064, 34.3221,



# 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

45.2064, 34.3221, 60.1193

### Protanopia

35.6227, 34.7702, 72.5440

### Deuteranopia

35.2408, 34.3899, 58.2066



## Tritanopia

40.0514, 34.3424, 34.6548

# Trichromacy



## Original Color

45.2064, 34.3221, 60.1193



## Protanomaly

37.9100, 33.8764, 67.4915



## Deuteranomaly

38.1981, 33.9896, 58.5802



## Tritanomaly

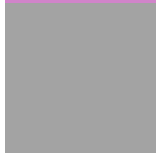
41.6160, 34.0964, 42.9159

# Monochromacy



## Original Color

45.2064, 34.3221, 60.1193



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

37.9864, 35.3341, 46.4130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2064, 34.3221, 60.1193 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(209, 132, 202)` looks like.

```
.text, #text, p{  
    color:rgb(209, 132, 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(209, 132, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 132, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2064, 34.3221, 60.1193 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(209, 132, 202) }
```



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

```
.border{ border-color:rgb(209, 132, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 132, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 132, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 132, 202);  
box-shadow:4px 4px 4px 4px rgb(209, 132,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2064, 34.3221, 60.1193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 132, 202) }
```

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

```
.background{ background-color: rgb(209,  
132, 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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