

# Converting Colors

XYZ(50.6855, 40.9086, 64.4982)

Have a look what the booklet for  
XYZ(50.6855, 40.9086, 64.4982)  
contains.

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# Color

**XYZ(50.7841, 41.0694,  
64.2821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D996CF
RGB	217, 150, 207
RGB Percent	85%, 59%, 81%
CMY	0.1490, 0.4117, 0.1882
CMYK	0.00, 0.31, 0.05, 0.15
HSL	309°, 47%, 72%
HSV	309°, 31%, 85%
XYZ	50.7841, 41.0694, 64.2821
YIQ	176.5310, 21.6350, 31.9310

# Conversions

## Conversions Part 2

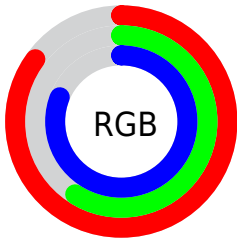
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 150, 207
Decimal	14259919
CIE Lab	70.22, 34.07, -19.12
CIE LCh	70, 39.066, 330.702
Yxy	41.0694, 0.3253, 0.2630
Android (android.graphics.Color)	4292449999 (0xFFD996CF)
YUV	176.5310, 15.0212, 35.4913
Hunter-Lab	64.0854, 29.3018, -14.6122

# Details

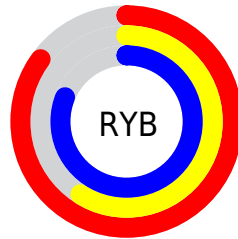
The XYZ color **50.7841, 41.0694, 64.2821** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.7374, 58.6491, 42.2753**, and the grayscale version is **41.4612, 43.6204, 47.5026**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **24.8154, 18.6123, 32.4216** is the 20% darker color. If you saturate the color by 10%, you get **47.2452, 34.6181, 61.1690**, and if you desaturate by 10%, it is **54.9749, 48.8099, 67.6535**.

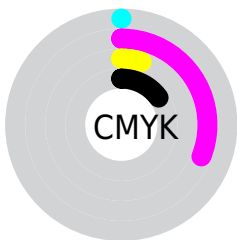
# Distribution



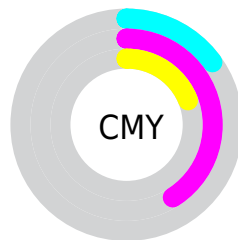
- Red (85%)
- Green (59%)
- Blue (81%)



- Red (85%)
- Yellow (59%)
- Blue (81%)



- Cyan (0%)
- Magenta (31%)
- Yellow (5%)
- Black (15%)




- Cyan (15%)
- Magenta (41%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7841, 41.0694, 64.2821 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 50.7841, 41.0694, 64.2821 by changing the saturation by 10% instead.





 50.7841, 41.0694,  
64.2821


 50.7841, 41.0694,  
64.2821


380.1259,  
350.6106, 458.4430

 36.2572, 28.3733,  
46.4316


 90.5204, 76.7892,  
112.6205

 24.8039, 18.6073,  
32.2354


 116.4606,  
100.5818, 143.9454

 16.0590, 11.3868,  
21.2750


146.9358,  
128.8419, 180.5988

 9.6570, 6.3277,  
13.1320

182.3115,  
161.9541, 222.9994

 5.2327, 3.0453,  
7.3877

222.9530,  
200.3026, 271.5655

 2.4206, 1.1554,  
3.6236

269.2256,

 0.8554, 0.0249,

244.2720, 326.7158

1.4212

321.4948,  
294.2465, 388.8688

■ 0.0000, 0.0000,  
0.1582

■ 0.0000, 0.0000,  
0.0000

■ 50.7841, 41.0694,  
64.2821

■ 50.7841, 41.0694,  
64.2821

■ 47.2452, 34.6181,  
61.1690

■ 54.9749, 48.8099,  
67.6535

■ 44.3188, 29.3797,  
58.2995

■ 59.8465, 57.8997,  
71.2916

■ 41.9672, 25.2781,  
55.6612

■ 65.4306, 68.4016,  
75.2079

■ 40.1471, 22.2267,  
53.2394

■ 71.7561, 80.3727,  
79.4120

■ 38.8087, 20.1259,  
51.0174

■ 77.7214, 91.6102,  
83.5371

■ 37.8928, 18.8575,  
48.9750

■ 78.1629, 91.7868,  
85.8622

■ 37.3315, 18.2382,  
47.2364

■ 78.6129, 91.9668,  
88.2315

■ 79.0713, 92.1501,  
90.6453

■ 79.5381, 92.3369,  
93.1039

# Harmonies

## Analogous

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



45.6634, 41.0694, 82.3939



50.7841, 41.0694, 64.2821



52.6826, 41.0694, 44.2870

# Triad

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



50.7841, 41.0694, 64.2821



38.8846, 41.0694, 17.9185



29.3790, 41.0694, 65.2397

# Complementary

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



50.7841, 41.0694, 64.2821



43.7374, 58.6491, 42.2753

# 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.



27.9752, 41.0694, 45.1509



50.7841, 41.0694, 64.2821



33.0817, 41.0694, 20.7390

# Square

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



50.7841, 41.0694, 64.2821



45.3740, 41.0694, 20.4813



29.2544, 41.0694, 29.5898



33.3162, 41.0694, 83.0448



# Rectangle

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



50.7841, 41.0694, 64.2821



51.7190, 41.0694, 33.3772



29.2544, 41.0694, 29.5898



28.6158, 41.0694, 58.3733

# Sweetspot

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



50.7854, 41.0712, 64.2830



87.6140, 86.0027, 103.7246



37.7174, 34.1887, 70.2576



18.5130, 17.9581, 22.0290



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.



50.7854, 41.0712, 64.2830



69.7885, 52.9735, 89.7006



47.2185, 39.6445, 45.5000



13.5265, 13.2397, 16.0337



22.6293, 11.0528, 28.7578



1.4892, 0.7253, 1.9852



# Inverse Universe

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



50.7854, 41.0712, 64.2830



69.7885, 52.9735, 89.7006



46.9546, 59.9359, 59.2168



13.5265, 13.2397, 16.0337



22.6293, 11.0528, 28.7578



1.4892, 0.7253, 1.9852



# Previews

## White Background



This preview shows how the XYZ color 50.7841, 41.0694, 64.2821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

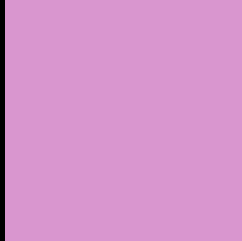
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7841, 41.0694, 64.2821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

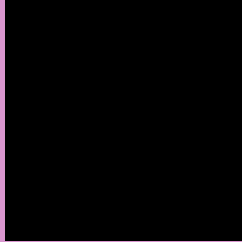
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.7841, 41.0694, 64.2821

## Background



This preview shows how black text looks on a background with the XYZ color 50.7841, 41.0694, 64.2821.



This preview shows how white text looks on a background with the XYZ color 50.7841, 41.0694,



# 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

50.7841, 41.0694, 64.2821

### Protanopia

41.7239, 41.3408, 74.1871

### Deuteranopia

42.1353, 41.2491, 62.8679



## Tritanopia

46.3698, 40.9756, 43.0012

# Trichromacy



## Original Color

50.7841, 41.0694, 64.2821



## Protanomaly

44.3143, 40.8556, 70.5160



## Deuteranomaly

44.7506, 40.7163, 63.2580



## Tritanomaly

47.8344, 40.8262, 50.1589

# Monochromacy



## Original Color

50.7841, 41.0694, 64.2821



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

44.6340, 42.4747, 53.4229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7841, 41.0694, 64.2821 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(217, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(217, 150, 207)  
}
```

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(217, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 150, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7841, 41.0694, 64.2821 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(217, 150, 207) }
```



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

```
.border{ border-color:rgb(217, 150, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(217, 150,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7841, 41.0694, 64.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 150, 207) }
```

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

```
.background{ background-color: rgb(217,  
150, 207) }
```

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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