

# Converting Colors

XYZ(53.6419, 46.7039, 64.8467)

Have a look what the booklet for  
XYZ(53.6419, 46.7039, 64.8467)  
contains.

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# Color

**XYZ(53.3921, 46.4804,  
64.5501)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A6CE
RGB	217, 166, 206
RGB Percent	85%, 65%, 81%
CMY	0.1490, 0.3490, 0.1922
CMYK	0.00, 0.24, 0.05, 0.15
HSL	313°, 40%, 75%
HSV	313°, 24%, 85%
XYZ	53.3921, 46.4804, 64.5501
YIQ	185.8090, 17.5560, 23.2520

# Conversions

## Conversions Part 2

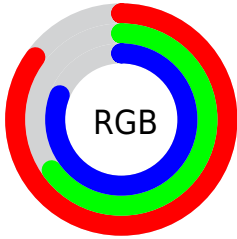
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 166, 206
Decimal	14264014
CIE <sub>Lab</sub>	73.86, 25.24, -13.09
CIE <sub>LCh</sub>	74, 28.436, 332.595
Yxy	46.4804, 0.3247, 0.2827
Android (android.graphics.Color)	4292454094 (0xFFD9A6CE)
<b>YUV</b>	185.8090, 9.9542, 27.3545
Hunter-Lab	68.1765, 20.4824, -8.4127

# Details

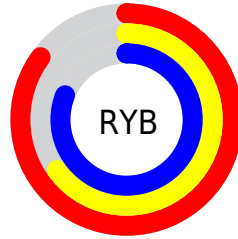
The XYZ color **53.3921, 46.4804, 64.5501** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.4764, 60.9084, 50.7992**, and the grayscale version is **46.5056, 48.9276, 53.2821**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **26.5851, 21.9830, 32.5477** is the 20% darker color. If you saturate the color by 10%, you get **49.2155, 39.0231, 60.3943**, and if you desaturate by 10%, it is **58.2540, 55.2797, 69.0189**.

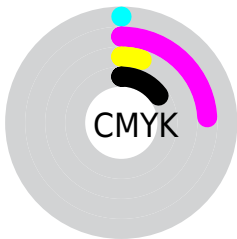
# Distribution



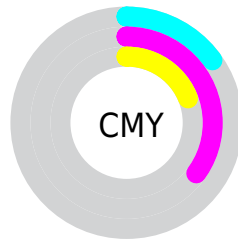
- Red (85%)
- Green (65%)
- Blue (81%)



- Red (85%)
- Yellow (65%)
- Blue (81%)



- Cyan (0%)
- Magenta (24%)
- Yellow (5%)
- Black (15%)




- Cyan (15%)
- Magenta (35%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3921, 46.4804, 64.5501 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 53.3921, 46.4804, 64.5501 by changing the saturation by 10% instead.




 53.3921, 46.4804,  
64.5501


 53.3921, 46.4804,  
64.5501


390.0239,  
372.7367, 459.4353

 38.3446, 32.6251,  
46.6473


 94.3432, 84.9375,  
113.0099

 26.4287, 21.8394,  
32.4046


 120.9776,  
110.3081, 144.4040

 17.2790, 13.7389,  
21.4034


152.2049,  
140.2859, 181.1322

 10.5301, 7.9393,  
13.2250

188.3906,  
175.2552, 223.6132

 5.8168, 4.0561,  
7.4512

229.9000,  
215.6006, 272.2655

 2.7736, 1.7050,  
3.6631

277.0984,

 1.0352, 0.4269,

261.7064, 327.5076

1.4424

330.3513,  
313.9569, 389.7580

■ 0.0000, 0.0000,  
0.1745

■ 0.0000, 0.0000,  
0.0000

■ 53.3921, 46.4804,  
64.5501

■ 53.3921, 46.4804,  
64.5501

■ 49.2155, 39.0231,  
60.3943

■ 58.2540, 55.2797,  
69.0189

■ 45.6864, 32.8347,  
56.5367

■ 63.8281, 65.4769,  
73.8089

■ 42.7699, 27.8447,  
52.9655

■ 70.1451, 77.1324,  
78.9314

■ 40.4258, 23.9732,  
49.6664

■ 77.2326, 90.3010,  
84.3965

38.6092, 21.1304,  
46.6237

78.5752, 91.9517,  
88.0329

37.2681, 19.2128,  
43.8195

79.2393, 92.2174,  
91.5302

36.3397, 18.0950,  
41.2320

79.9212, 92.4901,  
95.1210

35.8896, 17.6615,  
39.6434

80.6210, 92.7701,  
98.8062

81.3389, 93.0572,  
102.5864

# Harmonies

## Analogous

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



49.6302, 46.4804, 77.9054



53.3921, 46.4804, 64.5501



54.6292, 46.4804, 49.3578

# Triad

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



53.3921, 46.4804, 64.5501



43.7391, 46.4804, 27.5628



36.4769, 46.4804, 67.1549

# Complementary

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



53.3921, 46.4804, 64.5501



48.4764, 60.9084, 50.7992

# 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.



35.1532, 46.4804, 51.8816



53.3921, 46.4804, 64.5501



39.1409, 46.4804, 30.5744

# Square

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



53.3921, 46.4804, 64.5501



48.8100, 46.4804, 29.6814



36.0905, 46.4804, 38.8357



39.8492, 46.4804, 79.5999



# Rectangle

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



53.3921, 46.4804, 64.5501



53.7846, 46.4804, 40.6393



36.0905, 46.4804, 38.8357



35.7897, 46.4804, 62.0894

# Sweetspot

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



53.3935, 46.4825, 64.5511



89.0038, 88.8897, 103.8570



44.1124, 41.5380, 71.3392



18.9442, 18.8315, 22.1390



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.



53.3935, 46.4825, 64.5511



73.9661, 61.6425, 90.1256



50.6245, 45.3749, 49.9698



13.4878, 13.2242, 15.8303



21.7659, 10.7074, 24.2109



1.4406, 0.7059, 1.7293



# Inverse Universe

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



53.3935, 46.4825, 64.5511



73.9661, 61.6425, 90.1256



51.1656, 61.9841, 64.9600



13.4878, 13.2242, 15.8303



21.7659, 10.7074, 24.2109



1.4406, 0.7059, 1.7293



# Previews

## White Background



This preview shows how the XYZ color 53.3921, 46.4804, 64.5501 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

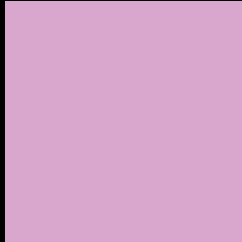
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.3921, 46.4804, 64.5501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

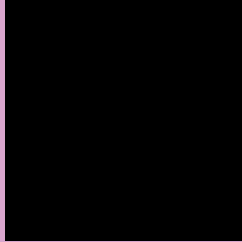
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.3921, 46.4804, 64.5501

## Background



This preview shows how black text looks on a background with the XYZ color 53.3921, 46.4804, 64.5501.



This preview shows how white text looks on a background with the XYZ color 53.3921, 46.4804,



# 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

53.3921, 46.4804, 64.5501

### Protanopia

46.2662, 46.6628, 70.8583

### Deuteranopia

47.6075, 46.6227, 63.6166



## Tritanopia

50.6535, 46.4645, 51.0986

# Trichromacy



## Original Color

53.3921, 46.4804, 64.5501

## Protanomaly

48.4488, 46.3606, 68.6823

## Deuteranomaly

49.5162, 46.4370, 64.1111

## Tritanomaly

51.6163, 46.5846, 55.5615

# Monochromacy



## Original Color

53.3921, 46.4804, 64.5501

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

48.7717, 47.9608, 57.1389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.3921, 46.4804, 64.5501 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, 166, 206)` looks like.

```
.text, #text, p{  
    color:rgb(217, 166, 206)  
}
```

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, 166, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 166, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 53.3921, 46.4804, 64.5501 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, 166, 206) }
```



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

```
.border{ border-color:rgb(217, 166, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 166, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 166, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 166, 206);  
box-shadow:4px 4px 4px 4px rgb(217, 166,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.3921, 46.4804, 64.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 166, 206) }
```

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

```
.background{ background-color: rgb(217,  
166, 206) }
```

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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