

# Converting Colors

XYZ(50.8195, 39.0975, 49.0860)

Have a look what the booklet for  
XYZ(50.8195, 39.0975, 49.0860)  
contains.

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# Color

**XYZ(50.7766, 39.1225,  
49.1311)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E78CB6
RGB	231, 140, 182
RGB Percent	91%, 55%, 71%
CMY	0.0941, 0.4510, 0.2863
CMYK	0.00, 0.39, 0.21, 0.09
HSL	332°, 65%, 73%
HSV	332°, 39%, 91%
XYZ	50.7766, 39.1225, 49.1311
YIQ	171.9970, 40.7540, 32.3540

# Conversions

## Conversions Part 2

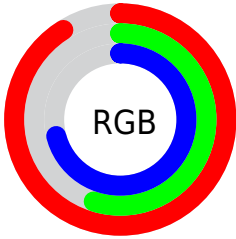
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 140, 182
Decimal	15174838
CIE Lab	68.84, 40.02, -7.13
CIE LCh	69, 40.646, 349.904
Yxy	39.1225, 0.3652, 0.2814
Android (android.graphics.Color)	4293364918 (0xFFE78CB6)
YUV	171.9970, 4.9315, 51.7456
Hunter-Lab	62.5480, 35.4478, -2.7884

# Details

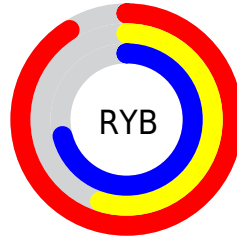
The XYZ color **50.7766, 39.1225, 49.1311** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.5782, 66.4025, 58.4040**, and the grayscale version is **39.1736, 41.2137, 44.8817**.

A 20% lighter version of the original color is **76.1877, 66.4633, 89.7021**, and **24.9077, 17.5631, 22.8461** is the 20% darker color. If you saturate the color by 10%, you get **46.5198, 32.5754, 41.6490**, and if you desaturate by 10%, it is **55.8583, 47.1359, 57.4525**.

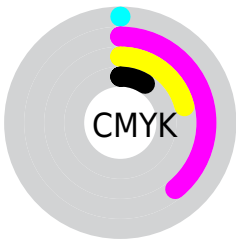
# Distribution



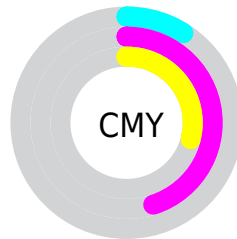
- Red (91%)
- Green (55%)
- Blue (71%)



- Red (91%)
- Yellow (55%)
- Blue (71%)



- Cyan (0%)
- Magenta (39%)
- Yellow (21%)
- Black (9%)




- Cyan (9%)
- Magenta (45%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7766, 39.1225, 49.1311 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 50.7766, 39.1225, 49.1311 by changing the saturation by 10% instead.





 50.7766, 39.1225,  
49.1311

 50.7766, 39.1225,  
49.1311


380.0972,  
342.4110, 399.8955

 36.2512, 26.8550,  
34.3572


 90.5094, 73.8254,  
90.2691

 24.7992, 17.4644,  
22.8885


 116.4475, 97.0297,  
117.4703

 16.0555, 10.5661,  
14.3067


 146.9206,  
124.6483, 149.6510

 9.6545, 5.7759,  
8.1931

182.2939,  
157.0657, 187.2297

 5.2310, 2.7093,  
4.1292

222.9328,  
194.6663, 230.6249

 2.4196, 0.9819,  
1.6965

269.2028,

 0.8549, 0.0000,

237.8344, 280.2553

0.3583

321.4691,  
286.9546, 336.5393

■ 0.0000, 0.0000,  
0.0000

■ 50.7766, 39.1225,  
49.1311

■ 50.7766, 39.1225,  
49.1311

■ 46.5198, 32.5754,  
41.6490

■ 55.8583, 47.1359,  
57.4525

■ 43.0369, 27.3984,  
34.9733

■ 61.8053, 56.6928,  
66.6394

■ 40.2762, 23.4927,  
29.0720

■ 68.6590, 67.8716,  
76.7196

■ 38.1777, 20.7435,  
23.9092

■ 76.4573, 80.7436,  
87.7188

■ 36.6707, 19.0147,  
19.4447

■ 85.0742, 95.0526,  
99.6077

■ 35.6436, 18.0888,  
15.6239

■ 86.7652, 95.7290,  
108.5123

■ 35.5885, 18.0424,  
15.4091

# Harmonies

## Analogous

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



47.4991, 39.1225, 69.8069



50.7766, 39.1225, 49.1311



50.1043, 39.1225, 31.6161

# Triad

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



50.7766, 39.1225, 49.1311



33.1213, 39.1225, 17.1724



29.7568, 39.1225, 75.9453

# Complementary

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



50.7766, 39.1225, 49.1311



48.5782, 66.4025, 58.4040

# 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.



26.7021, 39.1225, 55.8667



50.7766, 39.1225, 49.1311



28.4834, 39.1225, 23.5754

# Square

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



50.7766, 39.1225, 49.1311



39.4010, 39.1225, 16.3291



26.2646, 39.1225, 36.6709



35.0532, 39.1225, 87.9950



# Rectangle

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



50.7766, 39.1225, 49.1311



47.5307, 39.1225, 23.6371



26.2646, 39.1225, 36.6709



28.4609, 39.1225, 69.6797

# Sweetspot

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



50.7777, 39.1244, 49.1319



83.5128, 80.9904, 92.5228



44.6743, 35.2871, 80.0583



17.6287, 16.9323, 19.4438



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.



50.7777, 39.1244, 49.1319



59.2698, 42.3678, 54.0342



47.5176, 38.5393, 29.7476



14.6523, 14.4781, 16.3695



20.0125, 10.1392, 8.9608



1.5253, 0.7678, 0.9069



# Inverse Universe

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



50.7777, 39.1244, 49.1319



59.2698, 42.3678, 54.0342



52.9746, 66.8144, 85.7062



14.6523, 14.4781, 16.3695



20.0125, 10.1392, 8.9608



1.5253, 0.7678, 0.9069



# Previews

## White Background



This preview shows how the XYZ color 50.7766, 39.1225, 49.1311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

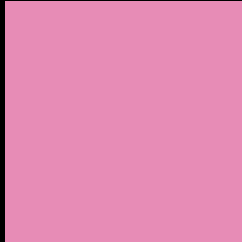
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7766, 39.1225, 49.1311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

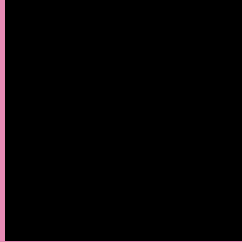
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.7766, 39.1225, 49.1311

## Background



This preview shows how black text looks on a background with the XYZ color 50.7766, 39.1225, 49.1311.



This preview shows how white text looks on a background with the XYZ color 50.7766, 39.1225,



# 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

50.7766, 39.1225, 49.1311

### Protanopia

39.0278, 39.4423, 59.5890

### Deuteranopia

39.9555, 39.1120, 47.5630



## Tritanopia

48.1211, 39.1451, 36.4720

# Trichromacy



## Original Color

50.7766, 39.1225, 49.1311



## Protanomaly

42.1761, 38.5290, 55.6660



## Deuteranomaly

43.4112, 38.8395, 47.8566



## Tritanomaly

48.9271, 39.0195, 40.5501

# Monochromacy



## Original Color

50.7766, 39.1225, 49.1311



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

42.3996, 39.6137, 46.4858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7766, 39.1225, 49.1311 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(231, 140, 182)` looks like.

```
.text, #text, p{  
    color:rgb(231, 140, 182)  
}
```

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(231, 140, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 140, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7766, 39.1225, 49.1311 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(231, 140, 182) }
```



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

```
.border{ border-color:rgb(231, 140, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 140, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 140, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 140, 182);  
box-shadow:4px 4px 4px 4px rgb(231, 140,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7766, 39.1225, 49.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 140, 182) }
```

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

```
.background{ background-color: rgb(231,  
140, 182) }
```

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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