

# Converting Colors

XYZ(39.1680, 22.7372, 48.2233)

Have a look what the booklet for  
XYZ(39.1680, 22.7372, 48.2233)  
contains.

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# Color

**XYZ(39.1638, 22.7149,  
48.2192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D749B9
RGB	215, 73, 185
RGB Percent	84%, 29%, 73%
CMY	0.1569, 0.7137, 0.2745
CMYK	0.00, 0.66, 0.14, 0.16
HSL	313°, 64%, 56%
HSV	313°, 66%, 84%
XYZ	39.1638, 22.7149, 48.2192
YIQ	128.2260, 48.6800, 64.9360

# Conversions

## Conversions Part 2

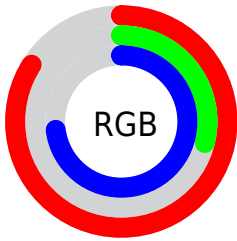
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">215, 73, 185</a>
Decimal	<a href="#">14109113</a>
CIELab	<a href="#">54.78, 66.99, -30.42</a>
CIElCh	<a href="#">55, 73.572, 335.580</a>
Yxy	<a href="#">22.7149, 0.3557, 0.2063</a>
Android (android.graphics.Color)	<a href="#">4292299193 (0xFFD749B9)</a>
YUV	<a href="#">128.2260, 27.9896, 76.1008</a>
Hunter-Lab	<a href="#">47.6602, 63.2736, -26.6234</a>

# Details

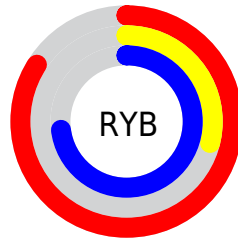
The XYZ color **39.1638, 22.7149, 48.2192** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **29.4974, 50.9974, 21.1227**, and the grayscale version is **20.4914, 21.5585, 23.4772**.

A 20% lighter version of the original color is **65.2335, 43.8435, 88.2435**, and **18.0695, 8.8340, 22.5826** is the 20% darker color. If you saturate the color by 10%, you get **37.5156, 20.1734, 45.3416**, and if you desaturate by 10%, it is **41.3169, 26.2408, 51.3411**.

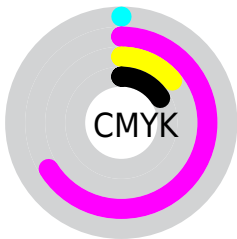
# Distribution



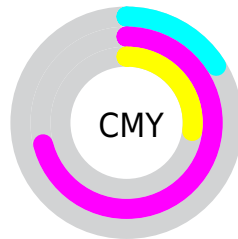
- Red (84%)
- Green (29%)
- Blue (73%)



- Red (84%)
- Yellow (29%)
- Blue (73%)



- Cyan (0%)
- Magenta (66%)
- Yellow (14%)
- Black (16%)




- Cyan (16%)
- Magenta (71%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1638, 22.7149, 48.2192 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 39.1638, 22.7149, 48.2192 by changing the saturation by 10% instead.





 39.1638, 22.7149,  
48.2192


 39.1638, 22.7149,  
48.2192

333.7816,  
266.2573, 396.1941

 27.0685, 14.3831,  
33.6393


 73.1810, 47.9248,  
88.8996


 17.7615, 8.3876,  
22.3415


 95.8335, 65.5717,  
115.8372


 10.8775, 4.3440,  
13.9073


 122.7358, 87.0924,  
147.7311

 6.0512, 1.8678,  
7.9182

 154.2533,  
112.8713, 184.9998

 2.9172, 0.5289,  
3.9556

 190.7512,  
143.2929, 228.0620

 1.1101, 0.0000,  
1.6010

232.5950,

 0.0336, 0.0000,

178.7415, 277.3360

0.2916

280.1500,  
219.6015, 333.2405

■ 0.0000, 0.0000,  
0.0000

■ 39.1638, 22.7149,  
48.2192

■ 39.1638, 22.7149,  
48.2192

■ 37.5156, 20.1734,  
45.3416

■ 41.3169, 26.2408,  
51.3411

■ 36.3171, 18.5073,  
42.6886

■ 44.0180, 30.8385,  
54.7217

■ 35.5032, 17.5864,  
40.2380

■ 47.3082, 36.5893,  
58.3757

■ 35.2402, 17.3334,  
39.3084

■ 51.2238, 43.5659,  
62.3158

■ 55.7983, 51.8349,  
66.5538

61.0628, 61.4582,  
71.1008

67.0462, 72.4935,  
75.9669

73.7759, 84.9953,  
81.1621

77.4960, 91.4518,  
85.4349

# Harmonies

## Analogous

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



32.0128, 22.7149, 81.8701



39.1638, 22.7149, 48.2192



41.1653, 22.7149, 20.6330

# Triad

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



39.1638, 22.7149, 48.2192



20.1064, 22.7149, 1.5824



11.2150, 22.7149, 60.9583

# Complementary

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



39.1638, 22.7149, 48.2192



29.4974, 50.9974, 21.1227

# 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.



9.4768, 22.7149, 29.3423



39.1638, 22.7149, 48.2192



13.7172, 22.7149, 3.2743

# Square

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



39.1638, 22.7149, 48.2192



28.7126, 22.7149, 2.2694



10.2619, 22.7149, 10.4654



15.7547, 22.7149, 91.9163



# Rectangle

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



39.1638, 22.7149, 48.2192



38.9654, 22.7149, 10.0096



10.2619, 22.7149, 10.4654



10.3435, 22.7149, 49.5115

# Sweetspot

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



39.1646, 22.7160, 48.2196



79.1962, 70.9910, 95.2956



20.0612, 12.4625, 65.6386



16.5458, 14.4628, 20.0199



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.



39.1646, 22.7160, 48.2196



54.4773, 28.6322, 65.2327



33.5370, 20.4650, 18.5854



12.8354, 12.5857, 15.0735



21.1177, 10.3834, 23.7218



1.3025, 0.6378, 1.5823



# Inverse Universe

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



39.1646, 22.7160, 48.2196



54.4773, 28.6322, 65.2327



34.5340, 53.0121, 47.6450



12.8354, 12.5857, 15.0735



21.1177, 10.3834, 23.7218



1.3025, 0.6378, 1.5823



# Previews

## White Background



This preview shows how the XYZ color 39.1638, 22.7149, 48.2192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

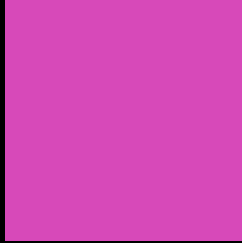
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.1638, 22.7149, 48.2192 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

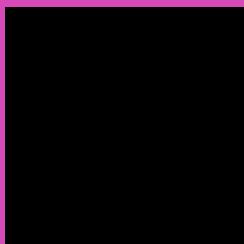
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.1638, 22.7149, 48.2192**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1638, 22.7149, 48.2192.



This preview shows how white text looks on a background with the XYZ color 39.1638, 22.7149,



# 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

39.1638, 22.7149, 48.2192

### Protanopia

25.8893, 23.1392, 78.7031

### Deuteranopia

23.4269, 23.0218, 44.2832



## Tritanopia

32.3632, 22.6104, 15.4905

# Trichromacy



## Original Color

39.1638, 22.7149, 48.2192



## Protanomaly

27.0159, 20.4857, 66.1486



## Deuteranomaly

26.9317, 21.0620, 45.2937



## Tritanomaly

34.3017, 22.3745, 24.7011

# Monochromacy



## Original Color

39.1638, 22.7149, 48.2192



## Achromatopsia

20.5175, 21.5861, 23.5072



## Achromatomaly

25.2846, 20.3686, 31.0327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1638, 22.7149, 48.2192 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(215, 73, 185)` looks like.

```
.text, #text, p{  
    color:rgb(215, 73, 185)  
}
```

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(215, 73, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 73, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1638, 22.7149, 48.2192 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(215, 73, 185) }
```



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

```
.border{ border-color:rgb(215, 73, 185) }
```

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

Here you see how a box with a 4 pixel rgb(215, 73, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 73, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 73, 185);  
box-shadow:4px 4px 4px 4px rgb(215, 73,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1638, 22.7149, 48.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 73, 185) }
```

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

```
.background{ background-color: rgb(215, 73,  
185) }
```

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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