

# Converting Colors

XYZ(43.8017, 23.2268, 39.4806)

Have a look what the booklet for  
XYZ(43.8017, 23.2268, 39.4806)  
contains.

<b>XYZ(43.7350, 23.1693, 39.7031)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.7350, 23.1693,  
39.7031)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF2EA9
RGB	239, 46, 169
RGB Percent	94%, 18%, 66%
CMY	0.0627, 0.8195, 0.3373
CMYK	0.00, 0.81, 0.29, 0.06
HSL	322°, 86%, 56%
HSV	322°, 81%, 94%
XYZ	43.7350, 23.1693, 39.7031
YIQ	117.7290, 75.5450, 79.1690

# Conversions

## Conversions Part 2

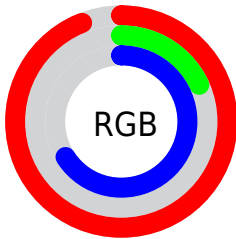
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 46, 169
Decimal	15675049
CIE Lab	55.25, 78.92, -20.05
CIE LCh	55, 81.422, 345.747
Yxy	23.1693, 0.4102, 0.2173
Android (android.graphics.Color)	4293865129 (0xFFEF2EA9)
YUV	117.7290, 25.2766, 106.3547
Hunter-Lab	48.1345, 77.9497, -15.2104

# Details

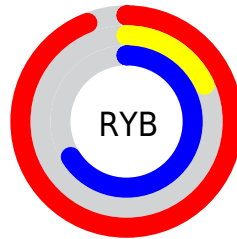
The XYZ color **43.7350, 23.1693, 39.7031** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **35.1473, 63.5756, 26.9466**, and the grayscale version is **17.0447, 17.9323, 19.5283**.

A 20% lighter version of the original color is **60.7119, 38.6764, 74.7864**, and **21.5710, 10.7493, 17.7675** is the 20% darker color. If you saturate the color by 10%, you get **42.2600, 21.4787, 35.3283**, and if you desaturate by 10%, it is **45.7843, 25.9216, 44.5359**.

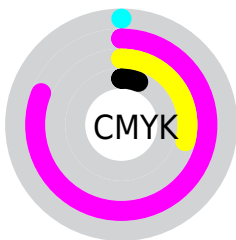
# Distribution



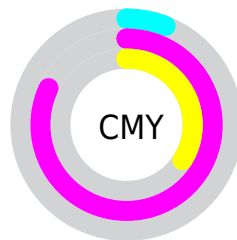
- Red (94%)
- Green (18%)
- Blue (66%)



- Red (94%)
- Yellow (18%)
- Blue (66%)



- Cyan (0%)
- Magenta (81%)
- Yellow (29%)
- Black (6%)




- Cyan (6%)
- Magenta (82%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7350, 23.1693, 39.7031 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 43.7350, 23.1693, 39.7031 by changing the saturation by 10% instead.





 43.7350, 23.1693,  
39.7031


 43.7350, 23.1693,  
39.7031

352.4963,  
268.5934, 360.3854


 30.6592, 14.7186,  
26.9951


 80.0677, 48.6712,  
75.9433


 20.4901, 8.6221,  
17.3371


 104.0553, 66.4911,  
100.3126


 12.8621, 4.4955,  
10.3107


 132.4109, 88.2029,  
129.4061

 7.4100, 1.9544,  
5.4971

 165.4998,  
114.1909, 163.6424

 3.7684, 0.5808,  
2.4780

 203.6875,  
144.8396, 203.4399

 1.5720, 0.0000,  
0.8285

247.3392,

 0.3740, 0.0000,

180.5333, 249.2172

0.0000

296.8204,  
221.6564, 301.3929

■ 0.0000, 0.0000,  
0.0000

■ 43.7350, 23.1693,  
39.7031

■ 43.7350, 23.1693,  
39.7031

■ 42.2600, 21.4787,  
35.3283

■ 45.7843, 25.9216,  
44.5359

■ 41.2895, 20.6279,  
31.6442

■ 48.4819, 29.8830,  
49.8560

■ 51.8928, 35.1812,  
55.6898

■ 56.0729, 41.9267,  
62.0609

■ 61.0723, 50.2184,  
68.9905

66.9369, 60.1463,  
76.4984

73.7090, 71.7937,  
84.6030

81.4279, 85.2380,  
93.3219

88.1485, 96.5875,  
102.0108

# Harmonies

## Analogous

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



37.1014, 23.1693, 78.9221



43.7350, 23.1693, 39.7031



43.5484, 23.1693, 13.9152

# Triad

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



43.7350, 23.1693, 39.7031



17.6018, 23.1693, 1.1972



11.9206, 23.1693, 80.9178

# Complementary

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



43.7350, 23.1693, 39.7031



35.1473, 63.5756, 26.9466

# 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.



9.0991, 23.1693, 41.4379



43.7350, 23.1693, 39.7031



11.7073, 23.1693, 3.9166

# Square

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



43.7350, 23.1693, 39.7031



26.6218, 23.1693, 1.1533



9.0337, 23.1693, 14.7827



17.9846, 23.1693, 111.7726



# Rectangle

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



43.7350, 23.1693, 39.7031



39.5163, 23.1693, 5.8044



9.0337, 23.1693, 14.7827



10.6453, 23.1693, 67.3478

# Sweetspot

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



43.7357, 23.1705, 39.7035



75.1669, 65.6264, 85.6475



23.4400, 11.7352, 82.6912



15.5700, 13.1686, 17.6671



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.



43.7357, 23.1705, 39.7035



48.1401, 24.1529, 37.8560



37.8430, 20.8135, 8.6729



16.1968, 15.9284, 18.5926



22.8826, 11.4255, 17.8302



1.9511, 0.9695, 1.7335



# Inverse Universe

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



43.7357, 23.1705, 39.7035



48.1401, 24.1529, 37.8560



43.6334, 66.9700, 71.6338



16.1968, 15.9284, 18.5926



22.8826, 11.4255, 17.8302



1.9511, 0.9695, 1.7335



# Previews

## White Background



This preview shows how the XYZ color 43.7350, 23.1693, 39.7031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

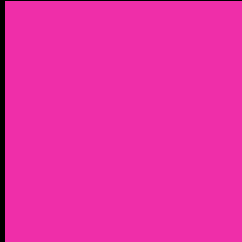
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7350, 23.1693, 39.7031 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 43.7350, 23.1693, 39.7031**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7350, 23.1693, 39.7031.



This preview shows how white text looks on a background with the XYZ color 43.7350, 23.1693,



# 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

43.7350, 23.1693, 39.7031

### Protanopia

26.2453, 23.7463, 77.3289

### Deuteranopia

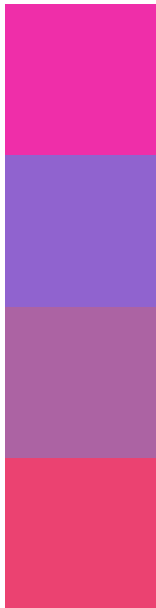
23.9135, 23.4550, 36.0678



## Tritanopia

37.4178, 23.0576, 10.2630

# Trichromacy



## Original Color

43.7350, 23.1693, 39.7031

## Protanomaly

27.2259, 19.3580, 61.3330

## Deuteranomaly

28.0860, 20.3387, 37.0958

## Tritanomaly

39.1898, 22.7509, 17.9486

# Monochromacy



## Original Color

43.7350, 23.1693, 39.7031

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

23.2428, 17.1418, 25.7506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7350, 23.1693, 39.7031 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(239, 46, 169)` looks like.

```
.text, #text, p{  
    color:rgb(239, 46, 169)  
}
```

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(239, 46, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 46, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7350, 23.1693, 39.7031 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(239, 46, 169) }
```



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

```
.border{ border-color:rgb(239, 46, 169) }
```

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

Here you see how a box with a 4 pixel rgb(239, 46, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 46, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 46, 169);  
box-shadow:4px 4px 4px 4px rgb(239, 46,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7350, 23.1693, 39.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 46, 169) }
```

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

```
.background{ background-color: rgb(239, 46,  
169) }
```

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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