

# Converting Colors

XYZ(41.3077, 20.4656, 39.3997)

Have a look what the booklet for  
XYZ(41.3077, 20.4656, 39.3997)  
contains.

<b>XYZ(41.4224, 20.5267, 39.3150)</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(41.4224, 20.5267,  
39.3150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB00A9
RGB	235, 0, 169
RGB Percent	92%, 0%, 66%
CMY	0.0784, 0.9998, 0.3373
CMYK	0.00, 1.00, 0.28, 0.08
HSL	317°, 100%, 46%
HSV	317°, 100%, 92%
XYZ	41.4224, 20.5267, 39.3150
YIQ	89.5310, 85.8110, 102.3790

# Conversions

## Conversions Part 2

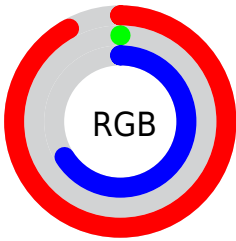
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 0, 169
Decimal	15401129
CIE <sub>Lab</sub>	52.43, 84.14, -24.44
CIE <sub>LCh</sub>	52, 87.615, 343.803
Yxy	20.5267, 0.4091, 0.2027
Android (android.graphics.Color)	4293591209 (0xFFEB00A9)
YUV	89.5310, 39.1782, 127.5763
Hunter-Lab	45.3064, 83.9115, -19.7349

# Details

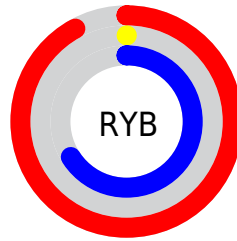
The XYZ color **41.4224, 20.5267, 39.3150** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.6938, 59.8111, 15.0883**, and the grayscale version is **9.5213, 10.0172, 10.9087**.

A 20% lighter version of the original color is **58.9692, 35.1912, 74.2056**, and **20.6664, 10.2830, 17.7252** is the 20% darker color. If you saturate the color by 10%, you get **41.4213, 20.5263, 39.3088**, and if you desaturate by 10%, it is **42.3756, 21.4158, 42.7682**.

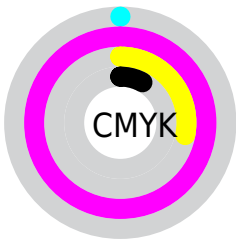
# Distribution



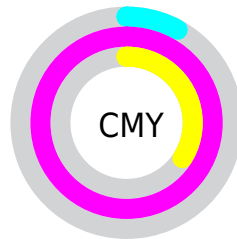
- Red (92%)
- Green (0%)
- Blue (66%)



- Red (92%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4224, 20.5267, 39.3150 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 41.4224, 20.5267, 39.3150 by changing the saturation by 10% instead.





 41.4224, 20.5267,  
39.3150


 41.4224, 20.5267,  
39.3150

343.1155,  
254.7524, 358.6938


 28.8384, 12.7785,  
26.6952


 76.5954, 44.2985,  
75.3449

 19.1023, 7.2762,  
17.1140


 99.9150, 61.0908,  
99.5921


 11.8487, 3.6354,  
10.1530


 127.5440, 81.6667,  
128.5521

 6.7122, 1.4718,  
5.3936

 159.8476,  
106.4105, 162.6435

 3.3275, 0.2687,  
2.4172

 197.1912,  
135.7065, 202.2848

 1.3292, 0.0000,  
0.7958

 239.9401,

 0.2049, 0.0000,

169.9392, 247.8946

0.0000

288.4598,  
209.4931, 299.8914

■ 0.0000, 0.0000,  
0.0000

■ 41.4224, 20.5267,  
39.3150

■ 41.4224, 20.5267,  
39.3150

■ 41.4213, 20.5263,  
39.3088

■ 42.3756, 21.4158,  
42.7682

■ 43.7439, 23.0847,  
46.5163

■ 45.6496, 25.7768,  
50.6022

■ 48.1642, 29.6343,  
55.0520

■ 51.3477, 34.7770,  
59.8877

■ 55.2529, 41.3097,  
65.1290

■ 59.9272, 49.3262,  
70.7936

■ 65.4136, 58.9122,  
76.8978

■ 71.7522, 70.1470,  
83.4570

# Harmonies

## Analogous

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



34.1890, 20.5267, 80.9899



41.4224, 20.5267, 39.3150



41.7336, 20.5267, 12.4504

# Triad

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



41.4224, 20.5267, 39.3150



15.6488, 20.5267, 0.3711



9.4597, 20.5267, 77.5701

# Complementary

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



41.4224, 20.5267, 39.3150



30.6938, 59.8111, 15.0883

# 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.



7.0279, 20.5267, 36.4599



41.4224, 20.5267, 39.3150



9.7802, 20.5267, 2.2331

# Square

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



41.4224, 20.5267, 39.3150



24.7726, 20.5267, 0.4373



7.1235, 20.5267, 11.1393



15.0511, 20.5267, 112.3762



# Rectangle

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



41.4224, 20.5267, 39.3150



37.8170, 20.5267, 4.5168



7.1235, 20.5267, 11.1393



8.3353, 20.5267, 63.0748

# Sweetspot

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



41.4231, 20.5278, 39.3153



72.0411, 59.2126, 85.1061



17.0268, 7.0461, 79.0602



14.8862, 11.7537, 17.5853



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.



41.4231, 20.5278, 39.3153



49.8257, 24.6943, 47.1418



34.9480, 17.9378, 5.2183



15.5239, 15.2374, 18.0440



23.1100, 11.4467, 22.1781



1.8554, 0.9151, 1.9558



# Inverse Universe

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



41.4231, 20.5278, 39.3153



49.8257, 24.6943, 47.1418



37.9654, 62.7197, 53.3801



15.5239, 15.2374, 18.0440



23.1100, 11.4467, 22.1781



1.8554, 0.9151, 1.9558



# Previews

## White Background



This preview shows how the XYZ color 41.4224, 20.5267, 39.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

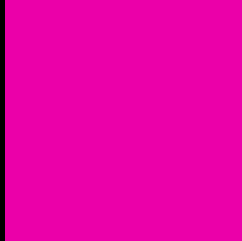
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4224, 20.5267, 39.3150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

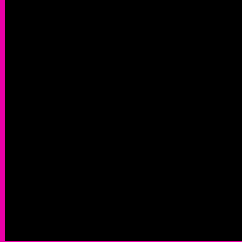
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.4224, 20.5267, 39.3150**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4224, 20.5267, 39.3150.



This preview shows how white text looks on a background with the XYZ color 41.4224, 20.5267,

39.3150.

# 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

41.4224, 20.5267, 39.3150

### Protanopia

24.9467, 21.5409, 86.0621

### Deuteranopia

21.5476, 21.0949, 35.2838



## Tritanopia

35.1076, 20.9505, 7.9878

# Trichromacy



## Original Color

41.4224, 20.5267, 39.3150



## Protanomaly

23.4476, 14.7150, 65.8944



## Deuteranomaly

24.6274, 16.0931, 35.9907



## Tritanomaly

36.4204, 19.7573, 15.5296

# Monochromacy



## Original Color

41.4224, 20.5267, 39.3150



## Achromatopsia

9.7181, 10.2242, 11.1341



## Achromatomaly

16.1206, 10.0978, 18.5522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4224, 20.5267, 39.3150 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(235, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 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(235, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4224, 20.5267, 39.3150 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(235, 0, 169) }
```



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

```
.border{ border-color:rgb(235, 0, 169) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4224, 20.5267, 39.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 169) }
```

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

```
.background{ background-color: rgb(235, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**