

# Converting Colors

XYZ(41.9168, 20.8070, 38.1908)

Have a look what the booklet for  
XYZ(41.9168, 20.8070, 38.1908)  
contains.

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# Color

**XYZ(41.9001, 20.7945,  
38.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED00A7
RGB	237, 0, 167
RGB Percent	93%, 0%, 65%
CMY	0.0706, 0.9998, 0.3451
CMYK	0.00, 1.00, 0.30, 0.07
HSL	318°, 100%, 46%
HSV	318°, 100%, 93%
XYZ	41.9001, 20.7945, 38.3646
YIQ	89.9010, 87.6450, 102.1810

# Conversions

## Conversions Part 2

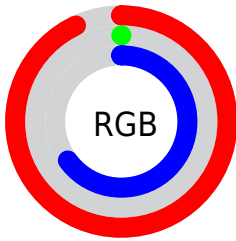
<b>Format</b>	<b>Color</b>
<b>RYB</b>	237, 0, 167
Decimal	15532199
CIELab	52.72, 84.31, -22.77
CIELCh	53, 87.333, 344.886
Yxy	20.7945, 0.4146, 0.2058
Android (android.graphics.Color)	4293722279 (0xFFED00A7)
YUV	89.9010, 38.0098, 129.0058
Hunter-Lab	45.6010, 84.2116, -17.9606

# Details

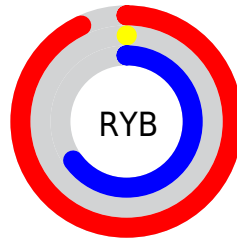
The XYZ color **41.9001, 20.7945, 38.3646** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **31.3919, 61.0117, 15.9241**, and the grayscale version is **9.6060, 10.1062, 11.0057**.

A 20% lighter version of the original color is **58.7925, 35.2693, 72.8162**, and **20.9990, 10.4679, 17.1334** is the 20% darker color. If you saturate the color by 10%, you get **41.8989, 20.7941, 38.3579**, and if you desaturate by 10%, it is **42.8868, 21.7036, 41.9741**.

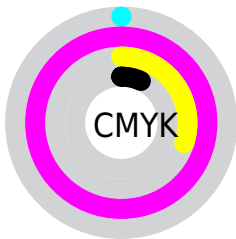
# Distribution



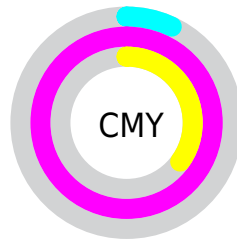
- Red (93%)
- Green (0%)
- Blue (65%)



- Red (93%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9001, 20.7945, 38.3646 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 41.9001, 20.7945, 38.3646 by changing the saturation by 10% instead.




 41.9001, 20.7945,  
38.3646

 41.9001, 20.7945,  
38.3646


345.0673,  
256.1844, 354.5264

 29.2138, 12.9739,  
25.9618


 77.3145, 44.7453,  
73.8762


 19.3877, 7.4106,  
16.5695


 100.7734, 61.6442,  
97.8221


 12.0565, 3.7202,  
9.7694

 128.5539, 82.3380,  
126.4528

 6.8546, 1.5183,  
5.1427

 161.0212,  
107.2111, 160.1867

 3.4169, 0.3015,  
2.2710

 198.5409,  
136.6479, 199.4425

 1.3778, 0.0000,  
0.7149

 241.4783,

 0.2404, 0.0000,

171.0328, 244.6387

0.0000

290.1986,  
210.7502, 296.1938

■ 0.0000, 0.0000,  
0.0000

■ 41.9001, 20.7945,  
38.3646

■ 41.9001, 20.7945,  
38.3646

■ 41.8989, 20.7941,  
38.3579

■ 42.8868, 21.7036,  
41.9741

■ 44.3005, 23.4099,  
45.9014

■ 46.2654, 26.1609,  
50.1906

■ 48.8547, 30.1020,  
54.8686

■ 52.1298, 35.3555,  
59.9584

■ 56.1448, 42.0283,  
65.4804

■ 60.9479, 50.2165,  
71.4531

■ 66.5833, 60.0075,  
77.8935

■ 73.0918, 71.4822,  
84.8176

# Harmonies

## Analogous

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



34.8456, 20.7945, 79.8606



41.9001, 20.7945, 38.3646



41.9298, 20.7945, 12.0617

# Triad

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



41.9001, 20.7945, 38.3646



15.6052, 20.7945, 0.4545



9.7860, 20.7945, 79.5353

# Complementary

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



41.9001, 20.7945, 38.3646



31.3919, 61.0117, 15.9241

# 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.



7.2267, 20.7945, 38.0923



41.9001, 20.7945, 38.3646



9.8168, 20.7945, 2.4696

# Square

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



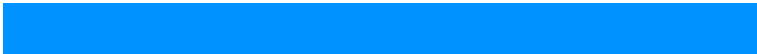
41.9001, 20.7945, 38.3646



24.6818, 20.7945, 0.4608



7.2359, 20.7945, 11.9360



15.5480, 20.7945, 113.5233



# Rectangle

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



41.9001, 20.7945, 38.3646



37.8515, 20.7945, 4.3822



7.2359, 20.7945, 11.9360



8.6133, 20.7945, 65.0432

# Sweetspot

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



41.9008, 20.7956, 38.3649



71.8825, 59.1491, 84.2709



17.6140, 7.3153, 80.6046



14.8481, 11.7385, 17.3850



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.



41.9008, 20.7956, 38.3649



49.4445, 24.5418, 45.1342



35.5318, 18.2481, 4.8264



15.5142, 15.2335, 17.9930



22.9355, 11.3769, 21.2593



1.8428, 0.9101, 1.8895



# Inverse Universe

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



41.9008, 20.7956, 38.3649



49.4445, 24.5418, 45.1342



39.1117, 64.0996, 56.5765



15.5142, 15.2335, 17.9930



22.9355, 11.3769, 21.2593



1.8428, 0.9101, 1.8895



# Previews

## White Background



This preview shows how the XYZ color 41.9001, 20.7945, 38.3646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

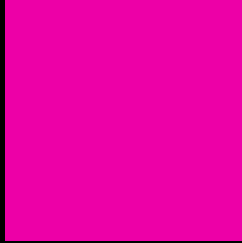
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.9001, 20.7945, 38.3646 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 41.9001, 20.7945, 38.3646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9001, 20.7945, 38.3646.



This preview shows how white text looks on a background with the XYZ color 41.9001, 20.7945,



# 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

41.9001, 20.7945, 38.3646

### Protanopia

24.9550, 21.7816, 83.7779

### Deuteranopia

21.7918, 21.4275, 34.4399



## Tritanopia

35.6555, 21.1491, 7.8332

# Trichromacy



## Original Color

41.9001, 20.7945, 38.3646



## Protanomaly

23.7329, 15.0126, 63.9342



## Deuteranomaly

24.9397, 16.3824, 35.1054



## Tritanomaly

36.9820, 19.9995, 15.2757

# Monochromacy



## Original Color

41.9001, 20.7945, 38.3646



## Achromatopsia

9.7181, 10.2242, 11.1341



## Achromatomaly

16.0608, 10.0739, 18.2375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9001, 20.7945, 38.3646 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(237, 0, 167)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 167)  
}
```

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(237, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9001, 20.7945, 38.3646 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(237, 0, 167) }
```



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

```
.border{ border-color:rgb(237, 0, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9001, 20.7945, 38.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 167) }
```

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

```
.background{ background-color: rgb(237, 0,  
167) }
```

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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