

Converting Colors

XYZ(41.3603, 20.4867, 39.6766)

Have a look what the booklet for
XYZ(41.3603, 20.4867, 39.6766)
contains.

XYZ(41.5166, 20.5644, 39.8114)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.5166, 20.5644,
39.8114)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00AA
RGB	235, 0, 170
RGB Percent	92%, 0%, 67%
CMY	0.0784, 0.9998, 0.3333
CMYK	0.00, 1.00, 0.28, 0.08
HSL	317°, 100%, 46%
HSV	317°, 100%, 92%
XYZ	41.5166, 20.5644, 39.8114
YIQ	89.6450, 85.4900, 102.6900

Conversions

Conversions Part 2

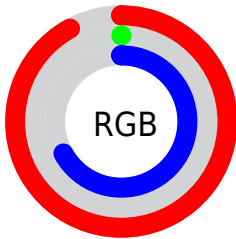
Format	Color
R_{YB}	235, 0, 170
Decimal	15401130
CIE _{Lab}	52.47, 84.24, -24.96
CIE _{LCh}	52, 87.865, 343.494
Yxy	20.5644, 0.4075, 0.2018
Android (android.graphics.Color)	4293591210 (0xFFEB00AA)
YUV	89.6450, 39.6150, 127.4763
Hunter-Lab	45.3480, 84.0598, -20.3076

Details

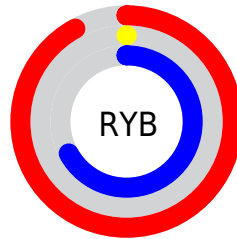
The XYZ color **41.5166, 20.5644, 39.8114** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.6645, 59.7993, 14.9344**, and the grayscale version is **9.5459, 10.0430, 10.9369**.

A 20% lighter version of the original color is **59.2422, 35.3004, 75.6428**, and **20.7256, 10.3067, 18.0366** is the 20% darker color. If you saturate the color by 10%, you get **41.5155, 20.5640, 39.8050**, and if you desaturate by 10%, it is **42.4646, 21.4515, 43.2374**.

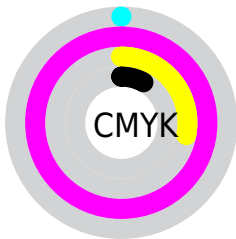
Distribution



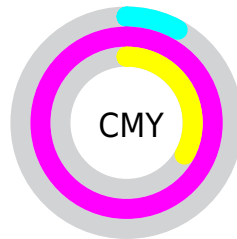
- Red (92%)
- Green (0%)
- Blue (67%)



- Red (92%)
- Yellow (0%)
- Blue (67%)



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





- Cyan (8%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5166, 20.5644, 39.8114 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 41.5166, 20.5644, 39.8114 by changing the saturation by 10% instead.


 41.5166, 20.5644,
39.8114


 41.5166, 20.5644,
39.8114

343.5009,
254.9544, 360.8564


 28.9124, 12.8060,
27.0789


 76.7373, 44.3614,
76.1102

 19.1585, 7.2951,
17.3995


 100.0844, 61.1688,
100.5135

 11.8896, 3.6473,
10.3548


 127.7433, 81.7613,
129.6442

 6.7402, 1.4783,
5.5261

 160.0793,
106.5234, 163.9207

 3.3450, 0.2734,
2.4951

 197.4577,
135.8393, 203.7616

 1.3387, 0.0000,
0.8375

 240.2439,

 0.2119, 0.0000,

170.0935, 249.5856

0.0000

288.8032,
209.6704, 301.8110

■ 0.0000, 0.0000,
0.0000

■ 41.5166, 20.5644,
39.8114

■ 41.5166, 20.5644,
39.8114

■ 41.5155, 20.5640,
39.8050

■ 42.4646, 21.4515,
43.2374

■ 43.8270, 23.1181,
46.9537

■ 45.7257, 25.8074,
51.0029

■ 48.2324, 29.6618,
55.4111

■ 51.4071, 34.8011,
60.2001

■ 55.3025, 41.3298,
65.3896

■ 59.9660, 49.3421,
70.9971

■ 65.4407, 58.9235,
77.0391

■ 71.7664, 70.1532,
83.5304

Harmonies

Analogous

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



34.1920, 20.5644, 81.7700



41.5166, 20.5644, 39.8114



41.9102, 20.5644, 12.6333

Triad

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



41.5166, 20.5644, 39.8114



15.7486, 20.5644, 0.3513



9.4197, 20.5644, 77.4427

Complementary

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



41.5166, 20.5644, 39.8114



30.6645, 59.7993, 14.9344

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.



7.0104, 20.5644, 36.2015



41.5166, 20.5644, 39.8114



9.8241, 20.5644, 2.1802

Square

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



41.5166, 20.5644, 39.8114



24.9371, 20.5644, 0.4349



7.1310, 20.5644, 10.9784



14.9937, 20.5644, 112.6748

Rectangle

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



41.5166, 20.5644, 39.8114



38.0182, 20.5644, 4.5813



7.1310, 20.5644, 10.9784



8.3027, 20.5644, 62.8669

Sweetspot

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



41.5173, 20.5655, 39.8117



72.0878, 59.2312, 85.3519



17.0268, 7.0462, 79.0600



14.8974, 11.7582, 17.6443



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.



41.5173, 20.5655, 39.8117



49.9394, 24.7398, 47.7405



34.9480, 17.9378, 5.2185



15.5267, 15.2385, 18.0590



23.1620, 11.4675, 22.4521



1.8591, 0.9166, 1.9755

Inverse Universe

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



41.5173, 20.5655, 39.8117



49.9394, 24.7398, 47.7405



37.9653, 62.7196, 53.3802



15.5267, 15.2385, 18.0590



23.1620, 11.4675, 22.4521



1.8591, 0.9166, 1.9755

Previews

White Background



This preview shows how the XYZ color 41.5166, 20.5644, 39.8114 looks on a white background.

Color Contrast Check

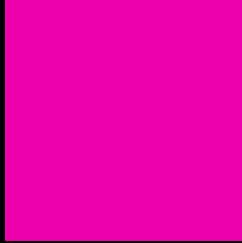
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5166, 20.5644, 39.8114 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 41.5166, 20.5644, 39.8114

Background



This preview shows how black text looks on a background with the XYZ color 41.5166, 20.5644, 39.8114.



This preview shows how white text looks on a background with the XYZ color 41.5166, 20.5644,

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

41.5166, 20.5644, 39.8114

Protanopia

24.9735, 21.5374, 86.8453

Deuteranopia

21.4917, 21.0561, 35.7324



Tritanopia

35.1076, 20.9505, 7.9878

Trichromacy



Original Color

41.5166, 20.5644, 39.8114



Protanomaly

23.4312, 14.6917, 66.5666



Deuteranomaly

24.5111, 16.0228, 36.4512



Tritanomaly

36.4204, 19.7573, 15.5296

Monochromacy



Original Color

41.5166, 20.5644, 39.8114



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 41.5166, 20.5644, 39.8114 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 41.5166, 20.5644, 39.8114 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, 170) }
```


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

```
.border{ border-color:rgb(235, 0, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5166, 20.5644, 39.8114 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, 170) }
```

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

```
.background{ background-color: rgb(235, 0,  
170) }
```

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