

Converting Colors

XYZ(41.6369, 20.5973, 41.1334)

Have a look what the booklet for
XYZ(41.6369, 20.5973, 41.1334)
contains.

XYZ(41.8038, 20.6793, 41.3234)	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(41.8038, 20.6793,
41.3234)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00AD
RGB	235, 0, 173
RGB Percent	92%, 0%, 68%
CMY	0.0784, 0.9998, 0.3216
CMYK	0.00, 1.00, 0.26, 0.08
HSL	316°, 100%, 46%
HSV	316°, 100%, 92%
XYZ	41.8038, 20.6793, 41.3234
YIQ	89.9870, 84.5270, 103.6230

Conversions

Conversions Part 2

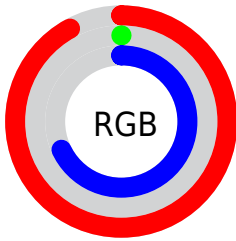
Format	Color
R_{YB}	235, 0, 173
Decimal	15401133
CIE _{Lab}	52.60, 84.57, -26.53
CIE _{LCh}	53, 88.633, 342.582
Yxy	20.6793, 0.4027, 0.1992
Android (android.graphics.Color)	4293591213 (0xFFEB00AD)
YUV	89.9870, 40.9254, 127.1764
Hunter-Lab	45.4745, 84.5111, -22.0456

Details

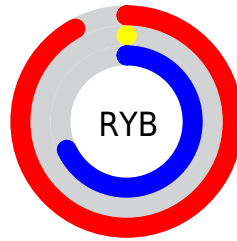
The XYZ color **41.8038, 20.6793, 41.3234** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **30.5799, 59.7655, 14.4885**, and the grayscale version is **9.6194, 10.1203, 11.0210**.

A 20% lighter version of the original color is **59.6576, 35.4665, 77.8302**, and **20.8457, 10.3547, 18.6693** is the 20% darker color. If you saturate the color by 10%, you get **41.8027, 20.6789, 41.3172**, and if you desaturate by 10%, it is **42.7356, 21.5599, 44.6639**.

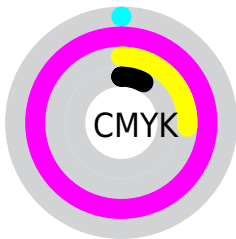
Distribution



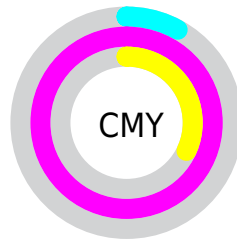
- Red (92%)
- Green (0%)
- Blue (68%)



- Red (92%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8038, 20.6793, 41.3234 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 41.8038, 20.6793, 41.3234 by changing the saturation by 10% instead.


 41.8038, 20.6793,
41.3234

 41.8038, 20.6793,
41.3234


344.6744,
255.5692, 367.3870

 29.1381, 12.8898,
28.2503

 77.1696, 44.5532,
78.4336


 19.3301, 7.3527,
18.2737


 100.6005, 61.4063,
103.3077


 12.0145, 3.6836,
10.9752


 128.3505, 82.0495,
132.9526

 6.8258, 1.4982,
5.9362

 160.7849,
106.8671, 167.7867

 3.3988, 0.2875,
2.7382

 198.2692,
136.2434, 208.2287

 1.3680, 0.0000,
0.9626

 241.1686,

 0.2332, 0.0000,

170.5630, 254.6971

0.0000

289.8486,
210.2101, 307.6103

■ 0.0000, 0.0000,
0.0000

■ 41.8038, 20.6793,
41.3234

■ 41.8038, 20.6793,
41.3234

■ 41.8027, 20.6789,
41.3172

■ 42.7356, 21.5599,
44.6639

■ 44.0791, 23.2189,
48.2808

■ 45.9563, 25.8997,
52.2165

■ 48.4387, 29.7444,
56.4968

■ 51.5863, 34.8729,
61.1432

■ 55.4518, 41.3897,
66.1751

■ 60.0825, 49.3888,
71.6098

■ 65.5214, 58.9560,
77.4633

■ 71.8084, 70.1702,
83.7505

Harmonies

Analogous

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



34.2050, 20.6793, 84.1405



41.8038, 20.6793, 41.3234



42.4456, 20.6793, 13.1915

Triad

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



41.8038, 20.6793, 41.3234



16.0507, 20.6793, 0.2922



9.3015, 20.6793, 77.0736

Complementary

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



41.8038, 20.6793, 41.3234



30.5799, 59.7655, 14.4885

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.



6.9588, 20.6793, 35.4412



41.8038, 20.6793, 41.3234



9.9569, 20.6793, 2.0272

Square

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



41.8038, 20.6793, 41.3234



25.4352, 20.6793, 0.4275



7.1538, 20.6793, 10.5080



14.8245, 20.6793, 113.5856

Rectangle

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



41.8038, 20.6793, 41.3234



38.6278, 20.6793, 4.7775



7.1538, 20.6793, 10.5080



8.2064, 20.6793, 62.2568

Sweetspot

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



41.8045, 20.6804, 41.3238



72.2284, 59.2875, 86.0924



16.7869, 6.9225, 79.0490



14.9312, 11.7717, 17.8221



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.



41.8045, 20.6804, 41.3238



50.2858, 24.8783, 49.5648



35.0455, 17.9768, 5.7314



15.5353, 15.2420, 18.1039



23.3204, 11.5308, 23.2862



1.8705, 0.9212, 2.0353

Inverse Universe

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



41.8045, 20.6804, 41.3238



50.2858, 24.8783, 49.5648



37.5715, 62.5622, 51.3060



15.5353, 15.2420, 18.1039



23.3204, 11.5308, 23.2862



1.8705, 0.9212, 2.0353

Previews

White Background



This preview shows how the XYZ color 41.8038, 20.6793, 41.3234 looks on a white background.

Color Contrast Check

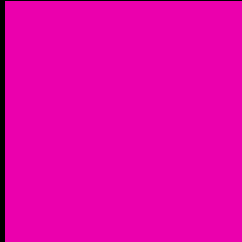
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8038, 20.6793, 41.3234 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 41.8038, 20.6793, 41.3234

Background



This preview shows how black text looks on a background with the XYZ color 41.8038, 20.6793, 41.3234.



This preview shows how white text looks on a background with the XYZ color 41.8038, 20.6793,

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

41.8038, 20.6793, 41.3234

Protanopia

25.2931, 21.6320, 90.0311

Deuteranopia

21.7404, 21.3408, 37.1558



Tritanopia

34.9154, 20.9330, 8.3311

Trichromacy



Original Color

41.8038, 20.6793, 41.3234



Protanomaly

23.2563, 14.5563, 68.6017



Deuteranomaly

24.6519, 16.1719, 37.8986



Tritanomaly

36.2573, 19.6549, 16.3508

Monochromacy



Original Color

41.8038, 20.6793, 41.3234



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1810, 10.1220, 18.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8038, 20.6793, 41.3234 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 41.8038, 20.6793, 41.3234 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, 173) }
```


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

```
.border{ border-color:rgb(235, 0, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8038, 20.6793, 41.3234 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, 173) }
```

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

```
.background{ background-color: rgb(235, 0,  
173) }
```

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