

Converting Colors

XYZ(41.2102, 20.4277, 38.8812)

Have a look what the booklet for
XYZ(41.2102, 20.4277, 38.8812)
contains.

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Color

**XYZ(41.3288, 20.4893,
38.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00A8
RGB	235, 0, 168
RGB Percent	92%, 0%, 66%
CMY	0.0784, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.29, 0.08
HSL	317°, 100%, 46%
HSV	317°, 100%, 92%
XYZ	41.3288, 20.4893, 38.8223
YIQ	89.4170, 86.1320, 102.0680

Conversions

Conversions Part 2

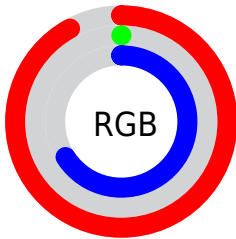
Format	Color
R_{YB}	235, 0, 168
Decimal	15401128
CIE _{Lab}	52.39, 84.03, -23.91
CIE _{LCh}	52, 87.368, 344.115
Yxy	20.4893, 0.4107, 0.2036
Android (android.graphics.Color)	4293591208 (0xFFEB00A8)
YUV	89.4170, 38.7414, 127.6763
Hunter-Lab	45.2651, 83.7635, -19.1654

Details

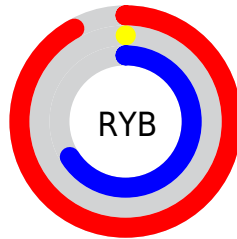
The XYZ color **41.3288, 20.4893, 38.8223** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.7236, 59.8229, 15.2455**, and the grayscale version is **9.4973, 9.9919, 10.8812**.

A 20% lighter version of the original color is **58.8340, 35.1371, 73.4933**, and **20.6079, 10.2596, 17.4171** is the 20% darker color. If you saturate the color by 10%, you get **41.3276, 20.4888, 38.8156**, and if you desaturate by 10%, it is **42.2870, 21.3805, 42.3020**.

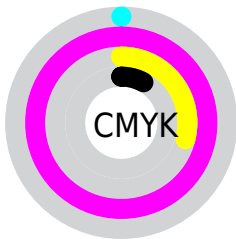
Distribution



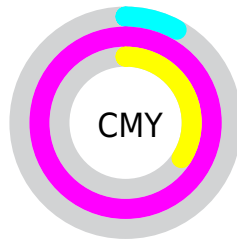
- Red (92%)
- Green (0%)
- Blue (66%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3288, 20.4893, 38.8223 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 41.3288, 20.4893, 38.8223 by changing the saturation by 10% instead.

 41.3288, 20.4893,
38.8223

 41.3288, 20.4893,
38.8223


342.7321,
254.5518, 356.5378

 28.7649, 12.7512,
26.3147


 76.4543, 44.2360,
74.5841


 19.0464, 7.2575,
16.8314


 99.7467, 61.0135,
98.6755


 11.8080, 3.6236,
9.9537


 127.3459, 81.5728,
127.4652

 6.6844, 1.4653,
5.2630

 159.6173,
106.2984, 161.3718

 3.3101, 0.2641,
2.3410

 196.9262,
135.5747, 200.8138

 1.3198, 0.0000,
0.7540

 239.6381,

 0.1979, 0.0000,

169.7861, 246.2098

0.0000

288.1183,
209.3170, 297.9782

■ 0.0000, 0.0000,
0.0000

■ 41.3288, 20.4893,
38.8223

■ 41.3288, 20.4893,
38.8223

■ 41.3276, 20.4888,
38.8156

■ 42.2870, 21.3805,
42.3020

■ 43.6614, 23.0519,
46.0814

■ 45.5740, 25.7468,
50.2036

■ 48.0964, 29.6077,
54.6946

■ 51.2888, 34.7540,
59.5766

■ 55.2040, 41.2907,
64.8695

■ 59.8891, 49.3117,
70.5909

■ 65.3875, 58.9027,
76.7575

■ 71.7390, 70.1428,
83.3845

Harmonies

Analogous

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



34.1865, 20.4893, 80.2144



41.3288, 20.4893, 38.8223



41.5578, 20.4893, 12.2690

Triad

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



41.3288, 20.4893, 38.8223



15.5494, 20.4893, 0.3909



9.5001, 20.4893, 77.6990

Complementary

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



41.3288, 20.4893, 38.8223



30.7236, 59.8229, 15.2455

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.



7.0456, 20.4893, 36.7207



41.3288, 20.4893, 38.8223



9.7364, 20.4893, 2.2870

Square

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



41.3288, 20.4893, 38.8223



24.6090, 20.4893, 0.4397



7.1161, 20.4893, 11.3023



15.1090, 20.4893, 112.0792

Rectangle

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



41.3288, 20.4893, 38.8223



37.6167, 20.4893, 4.4529



7.1161, 20.4893, 11.3023



8.3682, 20.4893, 63.2846

Sweetspot

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



41.3295, 20.4904, 38.8226



71.9945, 59.1939, 84.8604



17.2846, 7.1791, 79.0721



14.8750, 11.7492, 17.5263



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.



41.3295, 20.4904, 38.8226



49.7128, 24.6491, 46.5470



34.8581, 17.9019, 4.7449



15.5210, 15.2363, 18.0290



23.0583, 11.4260, 21.9060



1.8517, 0.9136, 1.9362

Inverse Universe

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



41.3295, 20.4904, 38.8226



49.7128, 24.6491, 46.5470



38.3706, 62.8817, 55.5142



15.5210, 15.2363, 18.0290



23.0583, 11.4260, 21.9060



1.8517, 0.9136, 1.9362

Previews

White Background



This preview shows how the XYZ color 41.3288, 20.4893, 38.8223 looks on a white background.

Color Contrast Check

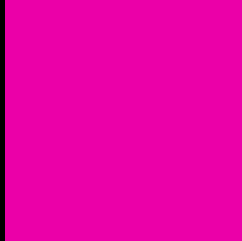
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3288, 20.4893, 38.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

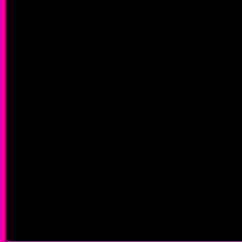
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3288, 20.4893, 38.8223

Background



This preview shows how black text looks on a background with the XYZ color 41.3288, 20.4893, 38.8223.



This preview shows how white text looks on a background with the XYZ color 41.3288, 20.4893,

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

41.3288, 20.4893, 38.8223

Protanopia

24.7128, 21.4547, 84.5000

Deuteranopia

21.4618, 21.0606, 34.8322



Tritanopia

35.0173, 20.8201, 7.8033

Trichromacy



Original Color

41.3288, 20.4893, 38.8223



Protanomaly

23.3388, 14.6885, 64.5559



Deuteranomaly

24.5388, 16.0577, 35.5243



Tritanomaly

36.3328, 19.6648, 15.2453

Monochromacy



Original Color

41.3288, 20.4893, 38.8223



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8885, 9.9850, 18.2294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3288, 20.4893, 38.8223 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 41.3288, 20.4893, 38.8223 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, 168) }
```


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

```
.border{ border-color:rgb(235, 0, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3288, 20.4893, 38.8223 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, 168) }
```

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

```
.background{ background-color: rgb(235, 0,  
168) }
```

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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