

Converting Colors

XYZ(39.8401, 20.4003, 29.3918)

Have a look what the booklet for
XYZ(39.8401, 20.4003, 29.3918)
contains.

XYZ(39.8540, 20.4220, 29.4451)	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(39.8540, 20.4220,
29.4451)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1893
RGB	235, 24, 147
RGB Percent	92%, 9%, 58%
CMY	0.0784, 0.9058, 0.4235
CMYK	0.00, 0.90, 0.37, 0.08
HSL	325°, 84%, 51%
HSV	325°, 90%, 92%
XYZ	39.8540, 20.4220, 29.4451
YIQ	101.1110, 86.2730, 82.9850

Conversions

Conversions Part 2

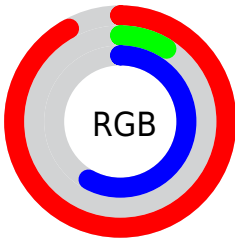
Format	Color
R_{YB}	235, 24, 147
Decimal	15407251
CIE _{Lab}	52.31, 79.79, -11.56
CIE _{LCh}	52, 80.626, 351.759
Yxy	20.4220, 0.4442, 0.2276
Android (android.graphics.Color)	4293597331 (0xFFEB1893)
YUV	101.1110, 22.6233, 117.4207
Hunter-Lab	45.1907, 78.3367, -6.9983

Details

The XYZ color **39.8540, 20.4220, 29.4451** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **33.0118, 60.7816, 25.3293**, and the grayscale version is **12.3299, 12.9720, 14.1265**.

A 20% lighter version of the original color is **56.5340, 34.9798, 59.0304**, and **19.3449, 9.7288, 11.9246** is the 20% darker color. If you saturate the color by 10%, you get **38.7962, 19.4854, 25.4578**, and if you desaturate by 10%, it is **41.3676, 22.1652, 33.9080**.

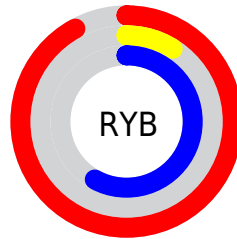
Distribution



Red (92%)

Green (9%)

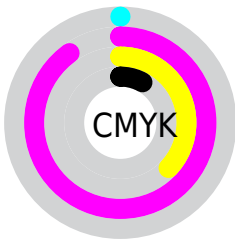
Blue (58%)



Red (92%)

Yellow (9%)

Blue (58%)

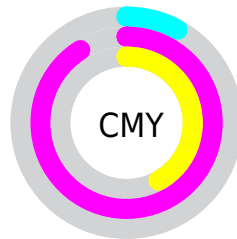


Cyan (0%)

Magenta (90%)

Yellow (37%)

Black (8%)



Cyan (8%)


Magenta (91%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8540, 20.4220, 29.4451 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 39.8540, 20.4220, 29.4451 by changing the saturation by 10% instead.


 39.8540, 20.4220,
29.4451


 39.8540, 20.4220,
29.4451


336.6528,
254.1906, 313.4357


 27.6084, 12.7022,
19.1693


 74.2269, 44.1236,
59.8341


 18.1696, 7.2238,
11.6146


 97.0849, 60.8741,
80.7844


 11.1723, 3.6024,
6.3625


 124.2112, 81.4037,
106.1300

 6.2510, 1.4538,
2.9944

 155.9710,
106.0966, 136.2894

 3.0404, 0.2558,
1.0918

 192.7297,
135.3374, 171.6811

 1.1752, 0.0000,
0.0000

234.8526,

 0.0866, 0.0000,

169.5104, 212.7237

0.0000

282.7052,
209.0000, 259.8357

■ 0.0000, 0.0000,
0.0000

■ 39.8540, 20.4220,
29.4451

■ 39.8540, 20.4220,
29.4451

■ 38.7962, 19.4854,
25.4578

■ 41.3676, 22.1652,
33.9080

■ 38.7747, 19.4676,
25.3726

■ 43.4545, 24.9476,
38.8930

■ 46.1875, 28.9125,
44.4320

■ 49.6278, 34.1796,
50.5527

■ 53.8289, 40.8540,
57.2798

■ 58.8390, 49.0296,
64.6363

■ 64.7021, 58.7925,
72.6435

■ 71.4590, 70.2221,
81.3213

■ 79.1478, 83.3924,
90.6889

Harmonies

Analogous

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



34.8207, 20.4220, 64.1709



39.8540, 20.4220, 29.4451



38.3052, 20.4220, 9.2401

Triad

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



39.8540, 20.4220, 29.4451



14.0792, 20.4220, 1.0743



11.1191, 20.4220, 80.8435

Complementary

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



39.8540, 20.4220, 29.4451



33.0118, 60.7816, 25.3293

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.



8.0482, 20.4220, 43.8240



39.8540, 20.4220, 29.4451



9.3872, 20.4220, 4.2554

Square

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



39.8540, 20.4220, 29.4451



21.7870, 20.4220, 0.7269



7.5201, 20.4220, 16.3117



17.2135, 20.4220, 104.9647

Rectangle

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



39.8540, 20.4220, 29.4451



33.9000, 20.4220, 3.5814



7.5201, 20.4220, 16.3117



9.7802, 20.4220, 68.6231

Sweetspot

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



39.8546, 20.4232, 29.4454



72.5967, 61.9475, 80.2851



21.9961, 10.0929, 79.3859



15.0518, 12.4547, 16.5004



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.



39.8546, 20.4232, 29.4454



46.6358, 23.4183, 30.3438



34.9991, 18.4809, 3.8765



15.4337, 15.2013, 17.5691



21.6450, 10.8607, 14.4638



1.7474, 0.8719, 1.3873

Inverse Universe

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



39.8546, 20.4232, 29.4454



46.6358, 23.4183, 30.3438



42.6646, 64.6427, 76.1603



15.4337, 15.2013, 17.5691



21.6450, 10.8607, 14.4638



1.7474, 0.8719, 1.3873

Previews

White Background



This preview shows how the XYZ color 39.8540, 20.4220, 29.4451 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 39.8540, 20.4220, 29.4451 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 39.8540, 20.4220, 29.4451

Background



This preview shows how black text looks on a background with the XYZ color 39.8540, 20.4220, 29.4451.



This preview shows how white text looks on a background with the XYZ color 39.8540, 20.4220,

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

39.8540, 20.4220, 29.4451

Protanopia

22.7825, 20.9441, 62.5164

Deuteranopia

21.1478, 20.7118, 26.5501



Tritanopia

35.2273, 20.5306, 6.9566

Trichromacy



Original Color

39.8540, 20.4220, 29.4451



Protanomaly

23.5988, 16.2012, 48.3377



Deuteranomaly

24.7131, 17.1247, 27.2022



Tritanomaly

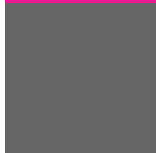
36.3560, 20.0779, 12.5489

Monochromacy



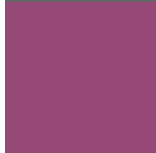
Original Color

39.8540, 20.4220, 29.4451



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

18.2302, 12.5571, 18.6025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8540, 20.4220, 29.4451 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, 24, 147)` looks like.

```
.text, #text, p{  
  color:rgb(235, 24, 147)  
}
```

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, 24, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 24, 147) }
```

Border

The CSS property to change the border of an element to XYZ 39.8540, 20.4220, 29.4451 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, 24, 147) }
```


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

```
.border{ border-color:rgb(235, 24, 147) }
```

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

Here you see how a box with a 4 pixel rgb(235, 24, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 24, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 24, 147);  
box-shadow:4px 4px 4px 4px rgb(235, 24,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8540, 20.4220, 29.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 24, 147) }
```

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

```
.background{ background-color: rgb(235, 24,  
147) }
```

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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