

Converting Colors

XYZ(38.6009, 19.3829, 25.1456)

Have a look what the booklet for
XYZ(38.6009, 19.3829, 25.1456)
contains.

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Color

**XYZ(38.7049, 19.4397,
25.0048)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0088
RGB	235, 0, 136
RGB Percent	92%, 0%, 53%
CMY	0.0784, 0.9998, 0.4667
CMYK	0.00, 1.00, 0.42, 0.08
HSL	325°, 100%, 46%
HSV	325°, 100%, 92%
XYZ	38.7049, 19.4397, 25.0048
YIQ	85.7690, 96.4040, 92.1160

Conversions

Conversions Part 2

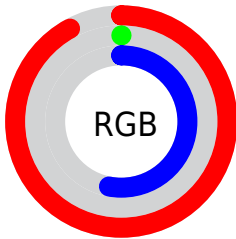
Format	Color
R_{YB}	235, 0, 136
Decimal	15401096
CIE _{Lab}	51.20, 80.96, -6.62
CIE _{LCh}	51, 81.231, 355.327
Yxy	19.4397, 0.4655, 0.2338
Android (android.graphics.Color)	4293591176 (0xFFEB0088)
YUV	85.7690, 24.7639, 130.8756
Hunter-Lab	44.0905, 79.5382, -2.7615

Details

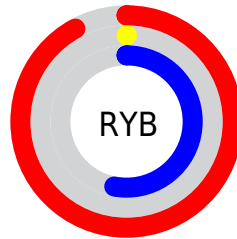
The XYZ color **38.7049, 19.4397, 25.0048** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **31.9635, 60.3188, 21.7748**, and the grayscale version is **8.7373, 9.1923, 10.0104**.

A 20% lighter version of the original color is **54.6082, 33.2999, 51.6935**, and **18.9133, 9.5561, 9.6518** is the 20% darker color. If you saturate the color by 10%, you get **38.7034, 19.4392, 24.9971**, and if you desaturate by 10%, it is **39.7591, 20.3693, 28.9904**.

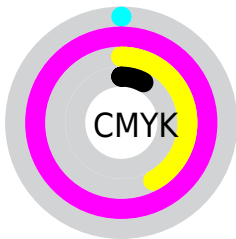
Distribution



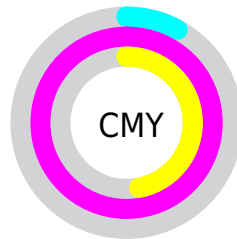
- Red (92%)
- Green (0%)
- Blue (53%)



- Red (92%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7049, 19.4397, 25.0048 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 38.7049, 19.4397, 25.0048 by changing the saturation by 10% instead.


 38.7049, 19.4397,
25.0048


 38.7049, 19.4397,
25.0048


331.8630,
248.8655, 291.3103


 26.7099, 11.9884,
15.8616


 72.4842, 42.4758,
52.6292


 17.4909, 6.7358,
9.2730


 94.9993, 58.8294,
71.9475


 10.6826, 3.2974,
4.8204


 121.7518, 78.9192,
95.4946

 5.9195, 1.2889,
2.0854

 153.1071,
103.1296, 123.6889

 2.8364, 0.1326,
0.6071

 189.4305,
131.8451, 156.9491

 1.0679, 0.0000,
0.0000

 231.0874,

 0.0000, 0.0000,

165.4500, 195.6937

0.0000

278.4431,
204.3286, 240.3413

■ 38.7049, 19.4397,
25.0048

■ 38.7049, 19.4397,
25.0048

■ 38.7034, 19.4392,
24.9971

■ 39.7591, 20.3693,
28.9904

■ 41.2637, 22.0929,
33.4552

■ 43.3417, 24.8540,
38.4483

■ 46.0659, 28.7955,
44.0017

■ 49.4975, 34.0376,
50.1432

■ 53.6902, 40.6854,
56.8980

■ 58.6925, 48.8333,
64.2894

■ 64.5484, 58.5673,
72.3387

■ 71.2989, 69.9671,
81.0664

Harmonies

Analogous

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



34.4370, 19.4397, 57.9397



38.7049, 19.4397, 25.0048



36.3910, 19.4397, 7.2624

Triad

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



38.7049, 19.4397, 25.0048



12.5927, 19.4397, 1.0400



10.9691, 19.4397, 82.9514

Complementary

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



38.7049, 19.4397, 25.0048



31.9635, 60.3188, 21.7748

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.



7.6865, 19.4397, 46.4951



38.7049, 19.4397, 25.0048



8.4141, 19.4397, 4.5980

Square

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



38.7049, 19.4397, 25.0048



19.7725, 19.4397, 0.5111



6.9103, 19.4397, 17.7426



17.2391, 19.4397, 103.7696

Rectangle

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



38.7049, 19.4397, 25.0048



31.7029, 19.4397, 2.6683



6.9103, 19.4397, 17.7426



9.5608, 19.4397, 71.2357

Sweetspot

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



38.7054, 19.4408, 25.0051



70.5478, 58.6152, 77.2421



20.0271, 8.5929, 79.2003



14.5295, 11.6111, 15.7072



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.



38.7054, 19.4408, 25.0051



46.5499, 23.3840, 29.8915



34.3845, 17.7124, 2.2512



15.4309, 15.2002, 17.5544



21.6054, 10.8448, 14.2551



1.7444, 0.8707, 1.3715

Inverse Universe

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



38.7054, 19.4408, 25.0051



46.5499, 23.3840, 29.8915



42.0289, 64.3450, 74.7785



15.4309, 15.2002, 17.5544



21.6054, 10.8448, 14.2551



1.7444, 0.8707, 1.3715

Previews

White Background



This preview shows how the XYZ color 38.7049, 19.4397, 25.0048 looks on a white background.

Color Contrast Check

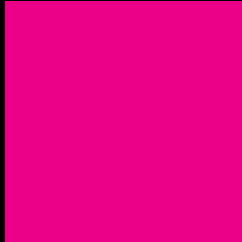
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7049, 19.4397, 25.0048 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 38.7049, 19.4397, 25.0048

Background



This preview shows how black text looks on a background with the XYZ color 38.7049, 19.4397, 25.0048.



This preview shows how white text looks on a background with the XYZ color 38.7049, 19.4397,

25.0048.

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

38.7049, 19.4397, 25.0048

Protanopia

21.5116, 20.1017, 54.3760

Deuteranopia

20.3139, 20.0076, 22.5299



Tritanopia

34.9638, 19.9031, 5.6133

Trichromacy



Original Color

38.7049, 19.4397, 25.0048



Protanomaly

22.3265, 14.5668, 41.6793



Deuteranomaly

23.4083, 15.4385, 22.8653



Tritanomaly

35.4510, 18.9400, 10.1748

Monochromacy



Original Color

38.7049, 19.4397, 25.0048



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.6801, 9.3073, 14.1195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7049, 19.4397, 25.0048 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 38.7049, 19.4397, 25.0048 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, 136) }
```


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

```
.border{ border-color:rgb(235, 0, 136) }
```

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, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7049, 19.4397, 25.0048 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, 136) }
```

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

```
.background{ background-color: rgb(235, 0,  
136) }
```

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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