

Converting Colors

XYZ(38.6339, 19.3961, 25.3194)

Have a look what the booklet for
XYZ(38.6339, 19.3961, 25.3194)
contains.

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Color

**XYZ(38.7763, 19.4683,
25.3809)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0089
RGB	235, 0, 137
RGB Percent	92%, 0%, 54%
CMY	0.0784, 0.9998, 0.4627
CMYK	0.00, 1.00, 0.42, 0.08
HSL	325°, 100%, 46%
HSV	325°, 100%, 92%
XYZ	38.7763, 19.4683, 25.3809
YIQ	85.8830, 96.0830, 92.4270

Conversions

Conversions Part 2

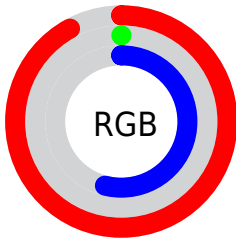
Format	Color
R_{YB}	235, 0, 137
Decimal	15401097
CIE _{Lab}	51.23, 81.05, -7.17
CIE _{LCh}	51, 81.363, 354.943
Yxy	19.4683, 0.4637, 0.2328
Android (android.graphics.Color)	4293591177 (0xFFEB0089)
YUV	85.8830, 25.2007, 130.7756
Hunter-Lab	44.1229, 79.6552, -3.2195

Details

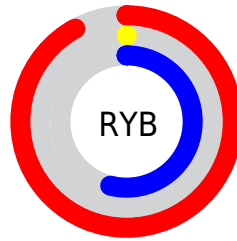
The XYZ color **38.7763, 19.4683, 25.3809** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **31.9160, 60.2998, 21.5250**, and the grayscale version is **8.7608, 9.2170, 10.0373**.

A 20% lighter version of the original color is **54.7171, 33.3434, 52.2672**, and **18.9539, 9.5724, 9.8655** is the 20% darker color. If you saturate the color by 10%, you get **38.7747, 19.4677, 25.3728**, and if you desaturate by 10%, it is **39.8294, 20.3975, 29.3604**.

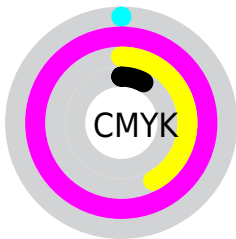
Distribution



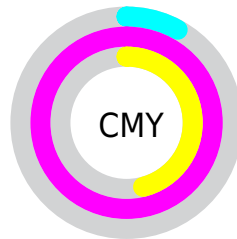
- Red (92%)
- Green (0%)
- Blue (54%)



- Red (92%)
- Yellow (0%)
- Blue (54%)



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





- Cyan (8%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7763, 19.4683, 25.3809 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 38.7763, 19.4683, 25.3809 by changing the saturation by 10% instead.


 38.7763, 19.4683,
25.3809


 38.7763, 19.4683,
25.3809


332.1620,
249.0220, 293.2377


 26.7657, 12.0091,
16.1395

 72.5927, 42.5239,
53.2462


 17.5330, 6.7499,
9.4675


 95.1292, 58.8892,
72.7072


 10.7129, 3.3062,
4.9464


 121.9051, 78.9920,
96.4118

 5.9400, 1.2936,
2.1576

 153.2857,
103.2166, 124.7786

 2.8489, 0.1362,
0.6498

 189.6363,
131.9475, 158.2260

 1.0744, 0.0000,
0.0000

 231.3223,

 0.0035, 0.0000,

165.5692, 197.1726

0.0000

278.7091,
204.4658, 242.0370

■ 0.0000, 0.0000,
0.0000

■ 38.7763, 19.4683,
25.3809

■ 38.7763, 19.4683,
25.3809

■ 38.7747, 19.4677,
25.3728

■ 39.8294, 20.3975,
29.3604

■ 41.3316, 22.1202,
33.8128

■ 43.4061, 24.8800,
38.7869

■ 46.1254, 28.8197,
44.3144

■ 49.5508, 34.0594,
50.4230

■ 53.7360, 40.7043,
57.1376

■ 58.7293, 48.8487,
64.4811

■ 64.5747, 58.5787,
72.4749

■ 71.3132, 69.9738,
81.1390

Harmonies

Analogous

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



34.4194, 19.4683, 58.5636



38.7763, 19.4683, 25.3809



36.5395, 19.4683, 7.3958

Triad

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



38.7763, 19.4683, 25.3809



12.6787, 19.4683, 1.0185



10.9177, 19.4683, 82.7526

Complementary

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



38.7763, 19.4683, 25.3809



31.9160, 60.2998, 21.5250

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.



7.6642, 19.4683, 46.1438



38.7763, 19.4683, 25.3809



8.4532, 19.4683, 4.5063

Square

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



38.7763, 19.4683, 25.3809



19.9122, 19.4683, 0.5091



6.9159, 19.4683, 17.5014



17.1639, 19.4683, 103.9953

Rectangle

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



38.7763, 19.4683, 25.3809



31.8737, 19.4683, 2.7164



6.9159, 19.4683, 17.5014



9.5192, 19.4683, 70.9483

Sweetspot

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



38.7769, 19.4694, 25.3812



70.5916, 58.6327, 77.4730



20.0272, 8.5930, 79.2002



14.5400, 11.6152, 15.7621



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.



38.7769, 19.4694, 25.3812



46.6358, 23.4183, 30.3439



34.3845, 17.7125, 2.2513



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.



38.7769, 19.4694, 25.3812



46.6358, 23.4183, 30.3439



42.0289, 64.3449, 74.7786



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 38.7763, 19.4683, 25.3809 looks on a white background.

Color Contrast Check

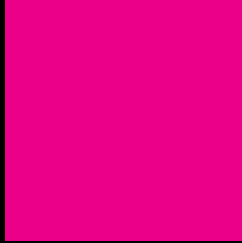
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7763, 19.4683, 25.3809 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 38.7763, 19.4683, 25.3809

Background



This preview shows how black text looks on a background with the XYZ color 38.7763, 19.4683, 25.3809.



This preview shows how white text looks on a background with the XYZ color 38.7763, 19.4683,

25.3809.

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

38.7763, 19.4683, 25.3809

Protanopia

21.6347, 20.1389, 55.5702

Deuteranopia

20.3788, 20.0336, 22.8715



Tritanopia

34.6661, 19.7469, 5.7258

Trichromacy



Original Color

38.7763, 19.4683, 25.3809



Protanomaly

22.2458, 14.5139, 42.1864



Deuteranomaly

23.4758, 15.4655, 23.2206



Tritanomaly

35.4904, 18.9557, 10.3826

Monochromacy



Original Color

38.7763, 19.4683, 25.3809



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7312, 9.3277, 14.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7763, 19.4683, 25.3809 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 137) }
```

Border

The CSS property to change the border of an element to XYZ 38.7763, 19.4683, 25.3809 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, 137) }
```


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

```
.border{ border-color:rgb(235, 0, 137) }
```

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, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7763, 19.4683, 25.3809 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, 137) }
```

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

```
.background{ background-color: rgb(235, 0,  
137) }
```

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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