

Converting Colors

XYZ(38.3364, 19.7839, 22.1908)

Have a look what the booklet for
XYZ(38.3364, 19.7839, 22.1908)
contains.

XYZ(38.4839, 19.8739, 22.2298)	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(38.4839, 19.8739,
22.2298)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1880
RGB	235, 24, 128
RGB Percent	92%, 9%, 50%
CMY	0.0784, 0.9058, 0.4980
CMYK	0.00, 0.90, 0.46, 0.08
HSL	330°, 84%, 51%
HSV	330°, 90%, 92%
XYZ	38.4839, 19.8739, 22.2298
YIQ	98.9450, 92.3720, 77.0760

Conversions

Conversions Part 2

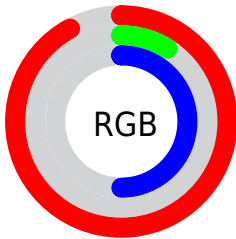
Format	Color
R_{YB}	235, 24, 128
Decimal	15407232
CIE Lab	51.69, 78.11, -1.05
CIE LCh	52, 78.120, 359.228
Yxy	19.8739, 0.4775, 0.2466
Android (android.graphics.Color)	4293597312 (0xFFEB1880)
YUV	98.9450, 14.3241, 119.3202
Hunter-Lab	44.5802, 76.0752, 1.6413

Details

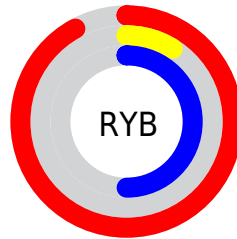
The XYZ color **38.4839, 19.8739, 22.2298** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **34.1842, 61.2506, 31.5030**, and the grayscale version is **11.7982, 12.4126, 13.5173**.

A 20% lighter version of the original color is **54.2342, 33.9036, 47.4016**, and **18.6449, 9.4487, 8.2382** is the 20% darker color. If you saturate the color by 10%, you get **37.4238, 18.9365, 18.2306**, and if you desaturate by 10%, it is **40.0263, 21.6286, 26.8447**.

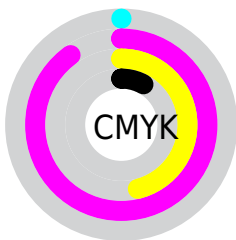
Distribution



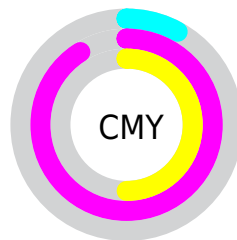
- Red (92%)
- Green (9%)
- Blue (50%)



- Red (92%)
- Yellow (9%)
- Blue (50%)



- Cyan (0%)
- Magenta (90%)
- Yellow (46%)
- Black (8%)





- Cyan (8%)
- Magenta (91%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4839, 19.8739, 22.2298 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 38.4839, 19.8739, 22.2298 by changing the saturation by 10% instead.


 38.4839, 19.8739,
22.2298


 38.4839, 19.8739,
22.2298


330.9363,
251.2316, 276.7366


 26.5374, 12.3034,
13.8259


 72.1484, 43.2057,
48.0326


 17.3609, 6.9507,
7.8623

 94.5970, 59.7357,
66.2685


 10.5890, 3.4313,
3.9205


 121.2771, 80.0211,
88.6189

 5.8564, 1.3608,
1.5818

 152.5540,
104.4462, 115.5023

 2.7978, 0.1876,
0.2778

 188.7929,
133.3954, 147.3373

 1.0478, 0.0000,
0.0000

230.3594,

 0.0000, 0.0000,

167.2531, 184.5422

0.0000

277.6188,
206.4038, 227.5358

■ 38.4839, 19.8739,
22.2298

■ 38.4839, 19.8739,
22.2298

■ 37.4238, 18.9365,
18.2306

■ 40.0263, 21.6286,
26.8447

■ 37.4026, 18.9188,
18.1469

■ 42.1701, 24.4337,
32.1296

■ 44.9895, 28.4331,
38.1234

■ 48.5468, 33.7470,
44.8608

■ 52.8970, 40.4809,
52.3729

■ 58.0892, 48.7294,
60.6888

■ 64.1688, 58.5788,
69.8359

■ 71.1775, 70.1090,
79.8397

■ 79.1543, 83.3945,
90.7246

Harmonies

Analogous

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



35.1543, 19.8739, 52.3515



38.4839, 19.8739, 22.2298



35.4643, 19.8739, 6.6012

Triad

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



38.4839, 19.8739, 22.2298



12.4075, 19.8739, 1.5566



12.1420, 19.8739, 84.5601

Complementary

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



38.4839, 19.8739, 22.2298



34.1842, 61.2506, 31.5030

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.



8.5018, 19.8739, 50.5460



38.4839, 19.8739, 22.2298



8.6224, 19.8739, 6.1524

Square

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



38.4839, 19.8739, 22.2298



19.0946, 19.8739, 0.7701



7.4178, 19.8739, 21.0593



18.6859, 19.8739, 100.6521

Rectangle

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



38.4839, 19.8739, 22.2298



30.6309, 19.8739, 2.5945



7.4178, 19.8739, 21.0593



10.6129, 19.8739, 74.0445

Sweetspot

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



38.4844, 19.8751, 22.2301



71.7596, 61.6127, 75.8769



24.4540, 11.3600, 79.5011



14.8547, 12.3759, 15.4627



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.



38.4844, 19.8751, 22.2301



44.9847, 22.7579, 21.6494



34.7533, 18.3826, 2.5821



15.3749, 15.1778, 17.2597



20.8805, 10.5549, 10.4379



1.6881, 0.8482, 1.0751

Inverse Universe

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



38.4844, 19.8751, 22.2301



44.9847, 22.7579, 21.6494



45.0811, 65.6093, 88.8851



15.3749, 15.1778, 17.2597



20.8805, 10.5549, 10.4379



1.6881, 0.8482, 1.0751

Previews

White Background



This preview shows how the XYZ color 38.4839, 19.8739, 22.2298 looks on a white background.

Color Contrast Check

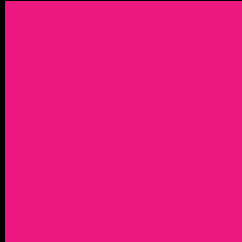
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4839, 19.8739, 22.2298 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 38.4839, 19.8739, 22.2298

Background



This preview shows how black text looks on a background with the XYZ color 38.4839, 19.8739, 22.2298.



This preview shows how white text looks on a background with the XYZ color 38.4839, 19.8739,

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

38.4839, 19.8739, 22.2298

Protanopia

21.2287, 20.2997, 47.0553

Deuteranopia

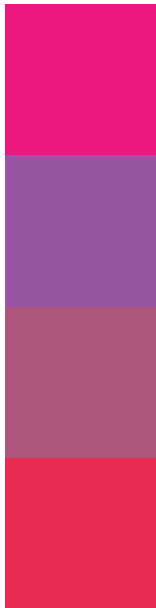
20.4677, 20.1442, 19.9490



Tritanopia

34.9880, 19.9128, 5.7409

Trichromacy



Original Color

38.4839, 19.8739, 22.2298

Protanomaly

22.7983, 15.9396, 36.0575

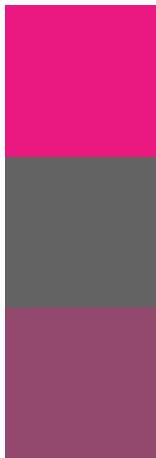
Deuteranomaly

23.9949, 16.7864, 20.3878

Tritanomaly

35.6656, 19.4928, 9.8653

Monochromacy



Original Color

38.4839, 19.8739, 22.2298

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

17.3446, 12.0564, 16.1648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4839, 19.8739, 22.2298 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(235, 24, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 24, 128) }
```

Border

The CSS property to change the border of an element to XYZ 38.4839, 19.8739, 22.2298 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, 128) }
```


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

```
.border{ border-color:rgb(235, 24, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 24, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 24, 128);  
box-shadow:4px 4px 4px 4px rgb(235, 24,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4839, 19.8739, 22.2298 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, 128) }
```

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

```
.background{ background-color: rgb(235, 24,  
128) }
```

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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