

Converting Colors

XYZ(38.8032, 19.9418, 28.7938)

Have a look what the booklet for
XYZ(38.8032, 19.9418, 28.7938)
contains.

XYZ(38.7589, 19.9389, 28.5938)	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(38.7589, 19.9389,
28.5938)**

Conversions

Conversions Part 1

Format	Color
Hex	E81A91
RGB	232, 26, 145
RGB Percent	91%, 10%, 57%
CMY	0.0902, 0.8979, 0.4314
CMYK	0.00, 0.89, 0.37, 0.09
HSL	325°, 82%, 51%
HSV	325°, 89%, 91%
XYZ	38.7589, 19.9389, 28.5938
YIQ	101.1600, 84.5770, 80.6810

Conversions

Conversions Part 2

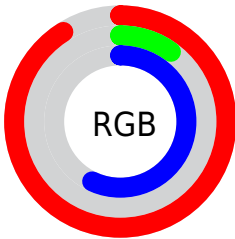
Format	Color
R_{YB}	232, 26, 145
Decimal	15211153
CIE _{Lab}	51.77, 78.67, -11.23
CIE _{LCh}	52, 79.473, 351.873
Yxy	19.9389, 0.4440, 0.2284
Android (android.graphics.Color)	4293401233 (0xFFE81A91)
YUV	101.1600, 21.6131, 114.7467
Hunter-Lab	44.6530, 76.7957, -6.7096

Details

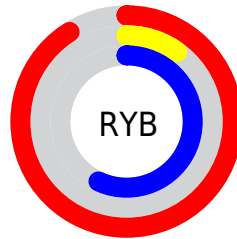
The XYZ color **38.7589, 19.9389, 28.5938** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **32.2653, 59.1259, 25.3420**, and the grayscale version is **12.3449, 12.9878, 14.1437**.

A 20% lighter version of the original color is **56.3002, 34.8863, 57.7992**, and **18.8601, 9.4842, 11.6631** is the 20% darker color. If you saturate the color by 10%, you get **37.6967, 18.9721, 24.6711**, and if you desaturate by 10%, it is **40.2860, 21.7311, 32.9933**.

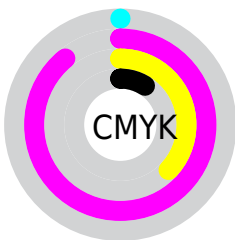
Distribution



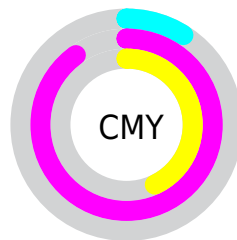
- Red (91%)
- Green (10%)
- Blue (57%)



- Red (91%)
- Yellow (10%)
- Blue (57%)



- Cyan (0%)
- Magenta (89%)
- Yellow (37%)
- Black (9%)





- Cyan (9%)
- Magenta (90%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7589, 19.9389, 28.5938 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 38.7589, 19.9389, 28.5938 by changing the saturation by 10% instead.

 38.7589, 19.9389,
28.5938


 38.7589, 19.9389,
28.5938


332.0892,
251.5842, 309.2943

 26.7521, 12.3506,
18.5308


 72.5663, 43.3147,
58.4656


 17.5228, 6.9829,
11.1584


 95.0976, 59.8711,
79.1114


 10.7055, 3.4514,
6.0580


 121.8678, 80.1856,
104.1220

 5.9350, 1.3717,
2.8110

 153.2422,
104.6426, 133.9158

 2.8459, 0.1957,
0.9990

 189.5861,
133.6266, 168.9114

 1.0728, 0.0000,
0.0000

231.2651,

 0.0022, 0.0000,

167.5219, 209.5273

0.0000

278.6443,
206.7130, 256.1821

■ 0.0000, 0.0000,
0.0000

■ 38.7589, 19.9389,
28.5938

■ 38.7589, 19.9389,
28.5938

■ 37.6967, 18.9721,
24.6711

■ 40.2860, 21.7311,
32.9933

■ 37.5823, 18.8772,
24.2200

■ 42.3787, 24.5477,
37.9107

■ 45.1063, 28.5248,
43.3765

■ 48.5271, 33.7768,
49.4177

■ 52.6926, 40.4041,
56.0583

■ 57.6490, 48.4971,
63.3207

■ 63.4387, 58.1384,
71.2255

■ 70.1010, 69.4044,
79.7925

■ 77.6725, 82.3665,
89.0401

Harmonies

Analogous

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



33.9095, 19.9389, 62.1545



38.7589, 19.9389, 28.5938



37.2354, 19.9389, 9.0348

Triad

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



38.7589, 19.9389, 28.5938



13.7529, 19.9389, 1.0889



10.9156, 19.9389, 78.5301

Complementary

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



38.7589, 19.9389, 28.5938



32.2653, 59.1259, 25.3420

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.



7.9159, 19.9389, 42.7498



38.7589, 19.9389, 28.5938



9.2017, 19.9389, 4.2372

Square

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



38.7589, 19.9389, 28.5938



21.2231, 19.9389, 0.7397



7.3925, 19.9389, 16.0306



16.8477, 19.9389, 101.7227

Rectangle

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



38.7589, 19.9389, 28.5938



32.9603, 19.9389, 3.5336



7.3925, 19.9389, 16.0306



9.6092, 19.9389, 66.7362

Sweetspot

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



38.7595, 19.9400, 28.5941



72.5469, 61.9276, 80.0229



21.5982, 10.0009, 77.1359



15.0400, 12.4500, 16.4386



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.



38.7595, 19.9400, 28.5941



46.5295, 23.3758, 29.7841



34.0882, 18.0715, 3.9953



14.7242, 14.5069, 16.7483



20.9285, 10.5056, 13.7844



1.5927, 0.7948, 1.2618

Inverse Universe

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



38.7595, 19.9400, 28.5941



46.5295, 23.3758, 29.7841



41.5278, 62.8309, 74.1179



14.7242, 14.5069, 16.7483



20.9285, 10.5056, 13.7844



1.5927, 0.7948, 1.2618

Previews

White Background



This preview shows how the XYZ color 38.7589, 19.9389, 28.5938 looks on a white background.

Color Contrast Check

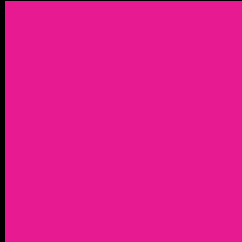
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7589, 19.9389, 28.5938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

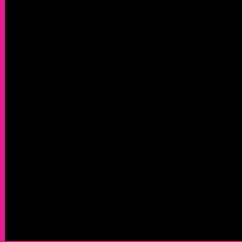
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.7589, 19.9389, 28.5938

Background



This preview shows how black text looks on a background with the XYZ color 38.7589, 19.9389, 28.5938.



This preview shows how white text looks on a background with the XYZ color 38.7589, 19.9389,

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

38.7589, 19.9389, 28.5938

Protanopia

22.1730, 20.5028, 59.9155

Deuteranopia

20.5706, 20.2493, 25.7460



Tritanopia

34.2445, 20.0273, 6.7634

Trichromacy



Original Color

38.7589, 19.9389, 28.5938



Protanomaly

23.1108, 15.9861, 46.6673



Deuteranomaly

24.1364, 16.8445, 26.4053



Tritanomaly

35.3458, 19.5622, 12.2689

Monochromacy



Original Color

38.7589, 19.9389, 28.5938



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

18.0541, 12.5715, 18.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7589, 19.9389, 28.5938 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(232, 26, 145)` looks like.

```
.text, #text, p{  
  color:rgb(232, 26, 145)  
}
```

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(232, 26, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 26, 145) }
```

Border

The CSS property to change the border of an element to XYZ 38.7589, 19.9389, 28.5938 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(232, 26, 145) }
```


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

```
.border{ border-color:rgb(232, 26, 145) }
```

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

Here you see how a box with a 4 pixel rgb(232, 26, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 26, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 26, 145);  
box-shadow:4px 4px 4px 4px rgb(232, 26,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7589, 19.9389, 28.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 26, 145) }
```

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

```
.background{ background-color: rgb(232, 26,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor