

Converting Colors

$Y_{xy}(38.3263, 0.4225, 0.3215)$

Have a look what the booklet for
Yxy(38.3263, 0.4225, 0.3215)
contains.

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Color

Yxy(38.1582, 0.4228, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	F2878E
RGB	242, 135, 142
RGB Percent	95%, 53%, 56%
CMY	0.0510, 0.4706, 0.4430
CMYK	0.00, 0.44, 0.41, 0.05
HSL	356°, 80%, 74%
HSV	356°, 44%, 95%
XYZ	50.1657, 38.1582, 30.3272
YIQ	167.7910, 61.5250, 24.8610

Conversions

Conversions Part 2

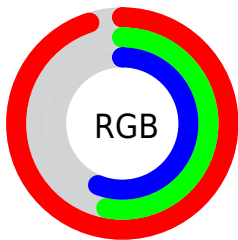
Format	Color
R _Y B	242, 135, 142
Decimal	15894414
CIE Lab	68.14, 41.41, 14.45
CIE LCh	68, 43.862, 19.236
Yxy	38.1582, 0.4228, 0.3216
Android (android.graphics.Color)	4294084494 (0xFFFF2878E)
YUV	167.7910, -12.7150, 65.0813
Hunter-Lab	61.7723, 36.8594, 14.1321

Details

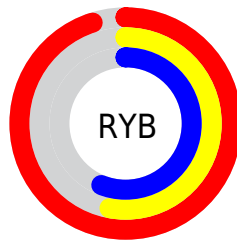
The Yxy color **38.1582, 0.4228, 0.3216** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **74.6492, 0.2563, 0.3372**, and the grayscale version is **39.0934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0724, 0.3622, 0.3229**, and **17.0265, 0.4573, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **31.5453, 0.4635, 0.3204**, and if you desaturate by 10%, it is **46.4471, 0.3883, 0.3232**.

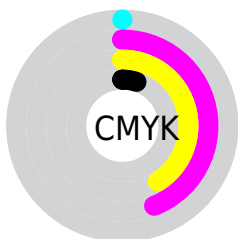
Distribution



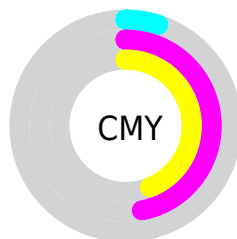
- Red (95%)
- Green (53%)
- Blue (56%)



- Red (95%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (44%)
- Yellow (41%)
- Black (5%)





- Cyan (5%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1582, 0.4228, 0.3216 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 Yxy color 38.1582, 0.4228, 0.3216 by changing the saturation by 10% instead.


 38.1582, 0.4228,
0.3216


 38.1582, 0.4228,
0.3216


338.2981, 0.3654,
0.3273

 26.1055, 0.4377,
0.3195


 72.3506, 0.4015,
0.3241

 16.9026, 0.4572,
0.3164


 95.2590, 0.3936,
0.3249

 10.1651, 0.4835,
0.3116


 122.5548, 0.3870,
0.3256

 5.5085, 0.5208,
0.3035

154.6224, 0.3814,
0.3261

 2.5486, 0.5768,
0.2884

191.8461, 0.3766,
0.3265

 0.9009, 0.7220,
0.2780

234.6103, 0.3724,

 0.0000, 1.0000,

0.3268

0.0000

283.2996, 0.3687,
0.3270

0.0000, 0.0000,
0.0000

38.1582, 0.4228,
0.3216

38.1582, 0.4228,
0.3216

31.5453, 0.4635,
0.3204

46.4471, 0.3883,
0.3232

26.4891, 0.5090,
0.3200

56.5095, 0.3601,
0.3249

22.8634, 0.5554,
0.3206

68.4419, 0.3374,
0.3267

20.5204, 0.5962,
0.3226

82.3325, 0.3192,
0.3283

19.2795, 0.6248,
0.3256

97.6165, 0.3047,
0.3290

■ 18.9137, 0.6348,
0.3271

Harmonies

Analogous

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



38.1582, 0.3682, 0.2766



38.1582, 0.4228, 0.3216



38.1582, 0.4433, 0.3713

Triad

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



38.1582, 0.4228, 0.3216



38.1582, 0.3131, 0.4395



38.1582, 0.2082, 0.2346

Complementary

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



38.1582, 0.4228, 0.3216



74.6492, 0.2563, 0.3372

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.



38.1582, 0.1973, 0.2657



38.1582, 0.4228, 0.3216



38.1582, 0.2535, 0.3899

Square

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



38.1582, 0.4228, 0.3216



38.1582, 0.3758, 0.4467



38.1582, 0.2125, 0.3217



38.1582, 0.2439, 0.2282

Rectangle

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



38.1582, 0.4228, 0.3216



38.1582, 0.4347, 0.4032



38.1582, 0.2125, 0.3217



38.1582, 0.2017, 0.2420

Sweetspot

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



38.1601, 0.4228, 0.3216



78.8063, 0.3351, 0.3269



41.3789, 0.3114, 0.2187



16.1789, 0.3396, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1601, 0.4228, 0.3216



36.2348, 0.4589, 0.3205



53.8236, 0.4064, 0.3799



15.7757, 0.3283, 0.3275



10.1677, 0.6331, 0.3261



0.8517, 0.6156, 0.3165

Inverse Universe

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



38.1601, 0.4228, 0.3216



36.2348, 0.4589, 0.3205



50.8766, 0.2430, 0.2707



15.7757, 0.3283, 0.3275



10.1677, 0.6331, 0.3261



0.8517, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 38.1582, 0.4228, 0.3216 looks on a white background.

Color Contrast Check

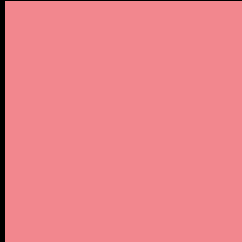
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.1582, 0.4228, 0.3216 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 ✓ Pass

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

Yxy 38.1582, 0.4228, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 38.1582, 0.4228, 0.3216.



This preview shows how white text looks on a background with the Yxy color 38.1582, 0.4228, 0.3216.

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

38.1582, 0.4228, 0.3216

Protanopia

38.3990, 0.3244, 0.3403

Deuteranopia

38.3140, 0.3664, 0.3586



Tritanopia

38.2188, 0.4205, 0.3194

Trichromacy



Original Color

38.1582, 0.4228, 0.3216

Protanomaly

37.5800, 0.3582, 0.3331

Deuteranomaly

37.8462, 0.3875, 0.3443

Tritanomaly

38.1884, 0.4217, 0.3205

Monochromacy



Original Color

38.1582, 0.4228, 0.3216

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.8822, 0.3489, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1582, 0.4228, 0.3216 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(242, 135, 142)` looks like.

```
.text, #text, p{  
    color:rgb(242, 135, 142)  
}
```

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(242, 135, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 135, 142) }
```

Border

The CSS property to change the border of an element to Yxy 38.1582, 0.4228, 0.3216 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(242, 135, 142) }
```

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

```
.border{ border-color:rgb(242, 135, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 135, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 135, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 135, 142);  
box-shadow:4px 4px 4px 4px rgb(242, 135,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1582, 0.4228, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 135, 142) }
```

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

```
.background{ background-color: rgb(242,  
135, 142) }
```

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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