

Converting Colors

Yxy(38.0816, 0.4893, 0.3957)

Have a look what the booklet for
Yxy(38.0816, 0.4893, 0.3957)
contains.

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Color

Yxy(38.1013, 0.4900, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	F28C48
RGB	242, 140, 72
RGB Percent	95%, 55%, 28%
CMY	0.0509, 0.4510, 0.7178
CMYK	0.00, 0.42, 0.70, 0.05
HSL	24°, 87%, 62%
HSV	24°, 70%, 95%
XYZ	47.1694, 38.1013, 10.9934
YIQ	162.7460, 82.6200, 0.4760

Conversions

Conversions Part 2

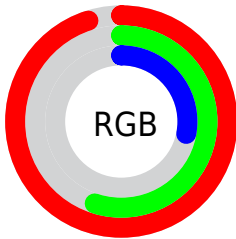
Format	Color
R _Y B	242, 185, 72
Decimal	15895624
CIE Lab	68.10, 33.38, 51.86
CIE LCh	68, 61.677, 57.231
Yxy	38.1013, 0.4900, 0.3958
Android (android.graphics.Color)	4294085704 (0xFFFF28C48)
YUV	162.7460, -44.7378, 69.5058
Hunter-Lab	61.7263, 28.3835, 32.6489

Details

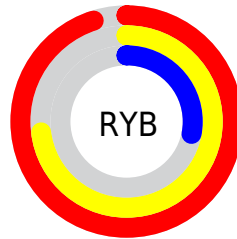
The Yxy color **38.1013, 0.4900, 0.3958** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **38.0556, 0.2095, 0.2357**, and the grayscale version is **36.6851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2736, 0.4202, 0.4016**, and **16.8986, 0.5342, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **33.8804, 0.5217, 0.3968**, and if you desaturate by 10%, it is **43.0103, 0.4574, 0.3905**.

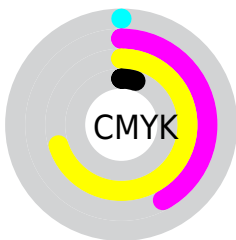
Distribution



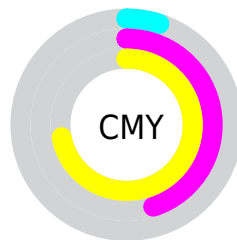
- Red (95%)
- Green (55%)
- Blue (28%)



- Red (95%)
- Yellow (73%)
- Blue (28%)



- Cyan (0%)
- Magenta (42%)
- Yellow (70%)
- Black (5%)





- Cyan (5%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1013, 0.4900, 0.3958 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 38.1013, 0.4900, 0.3958 by changing the saturation by 10% instead.


 38.1013, 0.4900,
0.3958


 38.1013, 0.4900,
0.3958


338.0543, 0.4012,
0.3705

 26.0613, 0.5105,
0.3986


 72.2634, 0.4586,
0.3891

 16.8695, 0.5351,
0.3998


 95.1543, 0.4465,
0.3858


 10.1415, 0.5645,
0.3976


 122.4309, 0.4362,
0.3827

 5.4929, 0.6070,
0.3930

 154.4777, 0.4272,
0.3798

 2.5393, 0.6372,
0.3628

 191.6791, 0.4194,
0.3771

 0.8962, 0.6868,
0.3132

234.4193, 0.4126,

 0.0000, 1.0000,

0.3747

0.0000

283.0830, 0.4066,
0.3725

■ 0.0000, 0.0000,
0.0000

■ 38.1013, 0.4900,
0.3958

■ 38.1013, 0.4900,
0.3958

■ 33.8804, 0.5217,
0.3968

■ 43.0103, 0.4574,
0.3905

■ 30.3043, 0.5499,
0.3924

■ 48.6351, 0.4261,
0.3821


■ 27.3966, 0.5725,
0.3836


■ 55.0086, 0.3972,
0.3719

■ 62.1595, 0.3715,
0.3610

■ 70.1150, 0.3491,
0.3500

 78.9007, 0.3297,
0.3393

 88.5411, 0.3131,
0.3293

 97.6203, 0.3048,
0.3290

Harmonies

Analogous

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



38.1013, 0.4804, 0.3312



38.1013, 0.4900, 0.3958



38.1013, 0.4466, 0.4585

Triad

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



38.1013, 0.4900, 0.3958



38.1013, 0.2118, 0.3896



38.1013, 0.2361, 0.1984

Complementary

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



38.1013, 0.4900, 0.3958



38.0556, 0.2095, 0.2357

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.



38.1013, 0.1826, 0.1970



38.1013, 0.4900, 0.3958



38.1013, 0.1690, 0.2909

Square

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



38.1013, 0.4900, 0.3958



38.1013, 0.2855, 0.4774



38.1013, 0.1603, 0.2254



38.1013, 0.3192, 0.2249

Rectangle

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



38.1013, 0.4900, 0.3958



38.1013, 0.3986, 0.4898



38.1013, 0.1603, 0.2254



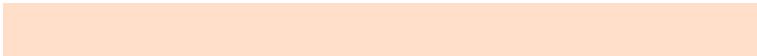
38.1013, 0.2147, 0.1949

Sweetspot

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



38.1033, 0.4900, 0.3958



78.2059, 0.3508, 0.3508



26.5668, 0.4020, 0.2293



16.1929, 0.3567, 0.3539



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.



38.1033, 0.4900, 0.3958



36.4667, 0.5335, 0.3957



73.2047, 0.4182, 0.4730



16.7967, 0.3283, 0.3385



14.9656, 0.5696, 0.3860



1.4345, 0.5455, 0.4051

Inverse Universe

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



38.0556, 0.2095, 0.2357



36.1777, 0.1962, 0.2138



14.9287, 0.1812, 0.1214



16.8062, 0.2980, 0.3193



14.6280, 0.1868, 0.1924



1.4110, 0.1923, 0.2122

Previews

White Background



This preview shows how the Yxy color 38.1013, 0.4900, 0.3958 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 38.1013, 0.4900, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

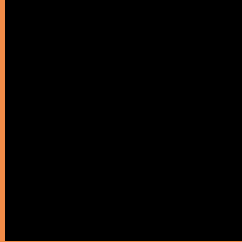
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1013, 0.4900, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 38.1013, 0.4900, 0.3958.



This preview shows how white text looks on a background with the Yxy color 38.1013, 0.4900, 0.3958.

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

38.1013, 0.4900, 0.3958

Protanopia

38.4070, 0.4046, 0.4435

Deuteranopia

38.1244, 0.4443, 0.4347



Tritanopia

38.0484, 0.4282, 0.3186

Trichromacy



Original Color

38.1013, 0.4900, 0.3958

Protanomaly

37.6289, 0.4361, 0.4254

Deuteranomaly

37.7785, 0.4620, 0.4190

Tritanomaly

38.0248, 0.4539, 0.3485

Monochromacy



Original Color

38.1013, 0.4900, 0.3958

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.2609, 0.3753, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1013, 0.4900, 0.3958 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, 140, 72)` looks like.

```
.text, #text, p{  
    color:rgb(242, 140, 72)  
}
```

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, 140, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 140, 72) }
```

Border

The CSS property to change the border of an element to Yxy 38.1013, 0.4900, 0.3958 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, 140, 72) }
```

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

```
.border{ border-color:rgb(242, 140, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 140, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 140, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 140, 72);  
box-shadow:4px 4px 4px 4px rgb(242, 140,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1013, 0.4900, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 140, 72) }
```

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

```
.background{ background-color: rgb(242,  
140, 72) }
```

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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