

Converting Colors

$Y_{xy}(38.8224, 0.4619, 0.3749)$

Have a look what the booklet for
Yxy(38.8224, 0.4619, 0.3749)
contains.

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Color

Yxy(38.7721, 0.4629, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	F08E63
RGB	240, 142, 99
RGB Percent	94%, 56%, 39%
CMY	0.0588, 0.4431, 0.6118
CMYK	0.00, 0.41, 0.59, 0.06
HSL	18°, 82%, 66%
HSV	18°, 59%, 94%
XYZ	47.8603, 38.7721, 16.7599
YIQ	166.4000, 72.2110, 7.4030

Conversions

Conversions Part 2

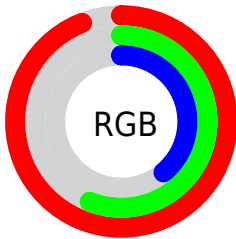
Format	Color
R _Y B	240, 161, 99
Decimal	15765091
CIE Lab	68.59, 33.19, 38.65
CIE LCh	69, 50.948, 49.347
Yxy	38.7721, 0.4629, 0.3750
Android (android.graphics.Color)	4293955171 (0xFFFF08E63)
YUV	166.4000, -33.2282, 64.5472
Hunter-Lab	62.2672, 28.2322, 27.6285

Details

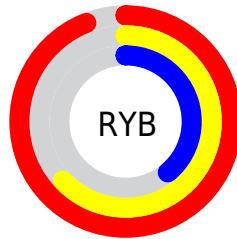
The Yxy color **38.7721, 0.4629, 0.3750** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.8641, 0.2276, 0.2724**, and the grayscale version is **38.4752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4269, 0.3971, 0.3770**, and **17.2546, 0.5063, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **33.7841, 0.4998, 0.3788**, and if you desaturate by 10%, it is **44.6430, 0.4281, 0.3686**.

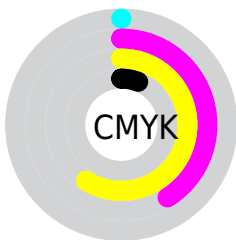
Distribution



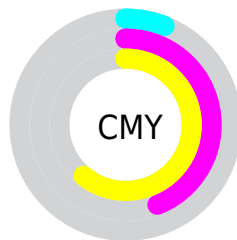
- Red (94%)
- Green (56%)
- Blue (39%)



- Red (94%)
- Yellow (63%)
- Blue (39%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (6%)





- Cyan (6%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7721, 0.4629, 0.3750 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 38.7721, 0.4629, 0.3750 by changing the saturation by 10% instead.


 38.7721, 0.4629,
0.3750


 38.7721, 0.4629,
0.3750

340.9206, 0.3860,
0.3568

 26.5825, 0.4818,
0.3775


 73.2900, 0.4350,
0.3698


 17.2599, 0.5056,
0.3794

 96.3871, 0.4244,
0.3674

 10.4200, 0.5359,
0.3795


 123.8889, 0.4155,
0.3652

 5.6783, 0.5754,
0.3754

 156.1796, 0.4079,
0.3632

 2.6505, 0.6347,
0.3653

193.6438, 0.4013,
0.3614

 0.9521, 0.6828,
0.3172

236.6657, 0.3955,

 0.0000, 1.0000,

0.3597

0.0000

285.6298, 0.3905,
0.3582

0.0000, 0.0000,
0.0000

38.7721, 0.4629,
0.3750

38.7721, 0.4629,
0.3750

33.7841, 0.4998,
0.3788

44.6430, 0.4281,
0.3686

29.6276, 0.5364,
0.3787

51.4326, 0.3970,
0.3607

26.2545, 0.5691,
0.3739

59.1817, 0.3699,
0.3523

23.6047, 0.5948,
0.3648

67.9270, 0.3468,
0.3438

23.3207, 0.5977,
0.3636

77.7030, 0.3273,
0.3357

■ 88.5427, 0.3108,
0.3281

■ 97.2658, 0.3035,
0.3290

Harmonies

Analogous

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



38.7721, 0.4402, 0.3194



38.7721, 0.4629, 0.3750



38.7721, 0.4395, 0.4284

Triad

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



38.7721, 0.4629, 0.3750



38.7721, 0.2439, 0.3998



38.7721, 0.2342, 0.2151

Complementary

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



38.7721, 0.4629, 0.3750



48.8641, 0.2276, 0.2724

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.



38.7721, 0.1945, 0.2213



38.7721, 0.4629, 0.3750



38.7721, 0.1984, 0.3191

Square

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



38.7721, 0.4629, 0.3750



38.7721, 0.3114, 0.4585



38.7721, 0.1822, 0.2552



38.7721, 0.2990, 0.2325

Rectangle

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



38.7721, 0.4629, 0.3750



38.7721, 0.4045, 0.4559



38.7721, 0.1822, 0.2552



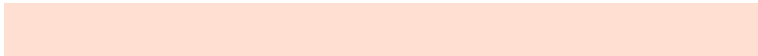
38.7721, 0.2180, 0.2144

Sweetspot

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



38.7741, 0.4629, 0.3750



78.6996, 0.3453, 0.3432



31.5086, 0.3644, 0.2271



16.1869, 0.3516, 0.3457



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.



38.7741, 0.4629, 0.3750



37.5043, 0.5090, 0.3792



66.4122, 0.4127, 0.4443



16.5453, 0.3286, 0.3363



12.9711, 0.5948, 0.3659



1.2482, 0.5691, 0.3863

Inverse Universe

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



48.8641, 0.2276, 0.2724



49.8714, 0.2144, 0.2579



24.1691, 0.2060, 0.1748



17.0675, 0.2981, 0.3216



18.7735, 0.1962, 0.2263



1.7365, 0.2004, 0.2415

Previews

White Background



This preview shows how the Yxy color 38.7721, 0.4629, 0.3750 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 38.7721, 0.4629, 0.3750 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 38.7721, 0.4629, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 38.7721, 0.4629, 0.3750.



This preview shows how white text looks on a background with the Yxy color 38.7721, 0.4629, 0.3750.

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

38.7721, 0.4629, 0.3750

Protanopia

39.0545, 0.3787, 0.4102

Deuteranopia

38.8052, 0.4181, 0.4103



Tritanopia

38.7383, 0.4188, 0.3184

Trichromacy



Original Color

38.7721, 0.4629, 0.3750

Protanomaly

38.5127, 0.4088, 0.3979

Deuteranomaly

38.3787, 0.4353, 0.3967

Tritanomaly

38.6392, 0.4360, 0.3392

Monochromacy



Original Color

38.7721, 0.4629, 0.3750

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4044, 0.3635, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7721, 0.4629, 0.3750 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(240, 142, 99)` looks like.

```
.text, #text, p{  
    color:rgb(240, 142, 99)  
}
```

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(240, 142, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 142, 99) }
```

Border

The CSS property to change the border of an element to Yxy 38.7721, 0.4629, 0.3750 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(240, 142, 99) }
```

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

```
.border{ border-color:rgb(240, 142, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 142, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 142, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 142, 99);  
box-shadow:4px 4px 4px 4px rgb(240, 142,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7721, 0.4629, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 142, 99) }
```

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

```
.background{ background-color: rgb(240,  
142, 99) }
```

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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