

Converting Colors

$Y_{xy}(63.4712, 0.5572, 0.3555)$

Have a look what the booklet for
Yxy(63.4712, 0.5572, 0.3555)
contains.

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Color

Yxy(38.6909, 0.4962, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	FF8555
RGB	255, 133, 85
RGB Percent	100%, 52%, 33%
CMY	0.0000, 0.4784, 0.6667
CMYK	0.00, 0.48, 0.67, 0.00
HSL	17°, 100%, 67%
HSV	17°, 67%, 100%
XYZ	51.2642, 38.6909, 13.3584
YIQ	164.0060, 88.1200, 10.9360

Conversions

Conversions Part 2

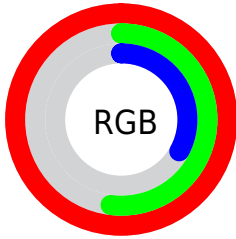
Format	Color
R _Y B	255, 152, 85
Decimal	16745813
CIE Lab	68.53, 42.66, 46.36
CIE LCh	69, 62.999, 47.377
Yxy	38.6909, 0.4962, 0.3745
Android (android.graphics.Color)	4294935893 (0xFFFF8555)
YUV	164.0060, -38.9500, 79.8017
Hunter-Lab	62.2020, 38.2583, 30.8084

Details

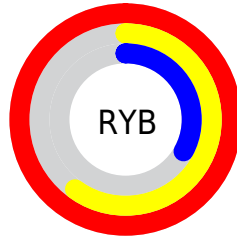
The Yxy color **38.6909, 0.4962, 0.3745** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **53.7592, 0.2199, 0.2681**, and the grayscale version is **37.2866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0040, 0.4134, 0.3832**, and **17.2083, 0.5460, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **33.7765, 0.5343, 0.3749**, and if you desaturate by 10%, it is **44.6279, 0.4583, 0.3706**.

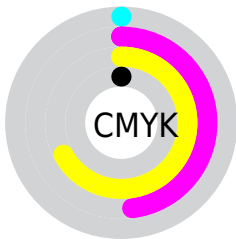
Distribution



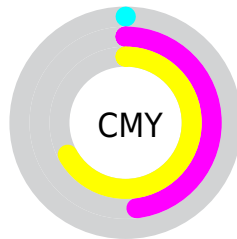
- Red (100%)
- Green (52%)
- Blue (33%)



- Red (100%)
- Yellow (60%)
- Blue (33%)



- Cyan (0%)
- Magenta (48%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6909, 0.4962, 0.3745 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 38.6909, 0.4962, 0.3745 by changing the saturation by 10% instead.


 38.6909, 0.4962,
0.3745


 38.6909, 0.4962,
0.3745


340.5745, 0.4033,
0.3596

 26.5194, 0.5182,
0.3751


 73.1659, 0.4630,
0.3713

 17.2126, 0.5453,
0.3739


 96.2381, 0.4503,
0.3695

 10.3862, 0.5786,
0.3691


 123.7127, 0.4395,
0.3676

 5.6557, 0.6264,
0.3609

 155.9740, 0.4302,
0.3658

 2.6369, 0.6694,
0.3306

 193.4064, 0.4221,
0.3641

 0.9453, 0.7244,
0.2756

236.3944, 0.4151,

 0.0000, 1.0000,

0.3625

0.0000

285.3223, 0.4088,
0.3610

0.0000, 0.0000,
0.0000

38.6909, 0.4962,
0.3745

38.6909, 0.4962,
0.3745

33.7765, 0.5343,
0.3749

44.6279, 0.4583,
0.3706

29.8168, 0.5688,
0.3708

51.6374, 0.4233,
0.3644


26.7437, 0.5961,
0.3622

59.7731, 0.3922,
0.3569

25.8970, 0.6036,
0.3589

69.0831, 0.3654,
0.3490

79.6128, 0.3427,
0.3412

 91.4050, 0.3237,
0.3337

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



38.6909, 0.4664, 0.3104



38.6909, 0.4962, 0.3745



38.6909, 0.4674, 0.4400

Triad

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



38.6909, 0.4962, 0.3745



38.6909, 0.2319, 0.4247



38.6909, 0.2136, 0.1933

Complementary

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



38.6909, 0.4962, 0.3745



53.7592, 0.2199, 0.2681

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.



38.6909, 0.1701, 0.2009



38.6909, 0.4962, 0.3745



38.6909, 0.1773, 0.3204

Square

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



38.6909, 0.4962, 0.3745



38.6909, 0.3133, 0.4958



38.6909, 0.1577, 0.2411



38.6909, 0.2888, 0.2122

Rectangle

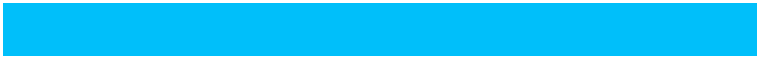
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6909, 0.4962, 0.3745



38.6909, 0.4248, 0.4781



38.6909, 0.1577, 0.2411



38.6909, 0.1956, 0.1927

Sweetspot

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



38.6930, 0.4962, 0.3745



75.9740, 0.3498, 0.3438



32.3897, 0.3677, 0.2124



15.6261, 0.3562, 0.3460



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.



38.6930, 0.4962, 0.3745



32.3573, 0.5464, 0.3740



70.6793, 0.4294, 0.4513



18.8225, 0.3287, 0.3358



13.7497, 0.6008, 0.3612



1.5145, 0.5787, 0.3787

Inverse Universe

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



53.7592, 0.2199, 0.2681



48.0249, 0.2085, 0.2537



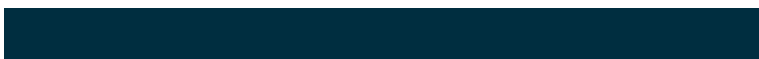
23.7309, 0.1933, 0.1577



19.5631, 0.2980, 0.3221



21.7273, 0.1984, 0.2341



2.3011, 0.2017, 0.2463

Previews

White Background



This preview shows how the Yxy color 38.6909, 0.4962, 0.3745 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 38.6909, 0.4962, 0.3745 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 38.6909, 0.4962, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 38.6909, 0.4962, 0.3745.



This preview shows how white text looks on a background with the Yxy color 38.6909, 0.4962, 0.3745.

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

38.6909, 0.4962, 0.3745

Protanopia

39.0587, 0.3908, 0.4248

Deuteranopia

38.6262, 0.4348, 0.4248



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.6909, 0.4962, 0.3745

Protanomaly

37.9346, 0.4295, 0.4046

Deuteranomaly

38.2541, 0.4575, 0.4057

Tritanomaly

38.5333, 0.4652, 0.3415

Monochromacy



Original Color

38.6909, 0.4962, 0.3745

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.4021, 0.3763, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6909, 0.4962, 0.3745 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(255, 133, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 85)  
}
```

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(255, 133, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 85) }
```

Border

The CSS property to change the border of an element to Yxy 38.6909, 0.4962, 0.3745 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(255, 133, 85) }
```

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

```
.border{ border-color:rgb(255, 133, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6909, 0.4962, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 85) }
```

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

```
.background{ background-color: rgb(255,  
133, 85) }
```

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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