

Converting Colors

$Y_{xy}(38.9895, 0.4779, 0.3621)$

Have a look what the booklet for
Yxy(38.9895, 0.4779, 0.3621)
contains.

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Color

Yxy(38.8724, 0.4786, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	FD8665
RGB	253, 134, 101
RGB Percent	99%, 53%, 40%
CMY	0.0079, 0.4745, 0.6040
CMYK	0.00, 0.47, 0.60, 0.01
HSL	13°, 97%, 69%
HSV	13°, 60%, 99%
XYZ	51.3790, 38.8724, 17.1013
YIQ	165.8190, 81.5170, 14.9650

Conversions

Conversions Part 2

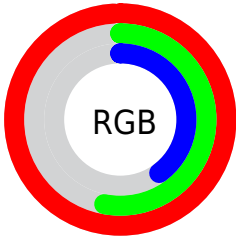
Format	Color
R _Y B	253, 143, 101
Decimal	16615013
CIE Lab	68.66, 42.40, 38.06
CIE LCh	69, 56.971, 41.912
Yxy	38.8724, 0.4786, 0.3621
Android (android.graphics.Color)	4294805093 (0xFFFD8665)
YUV	165.8190, -31.9558, 76.4577
Hunter-Lab	62.3477, 37.9882, 27.3808

Details

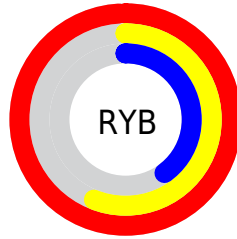
The Yxy color **38.8724, 0.4786, 0.3621** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.0198, 0.2298, 0.2881**, and the grayscale version is **38.1701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9551, 0.3989, 0.3669**, and **17.2183, 0.5260, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **33.4813, 0.5198, 0.3638**, and if you desaturate by 10%, it is **45.4450, 0.4398, 0.3581**.

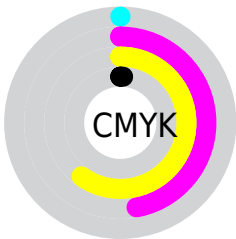
Distribution



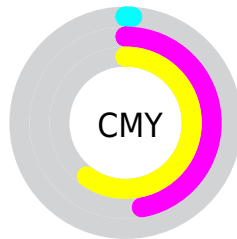
- Red (99%)
- Green (53%)
- Blue (40%)



- Red (99%)
- Yellow (56%)
- Blue (40%)



- Cyan (0%)
- Magenta (47%)
- Yellow (60%)
- Black (1%)




- Cyan (1%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8724, 0.4786, 0.3621 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 38.8724, 0.4786, 0.3621 by changing the saturation by 10% instead.


 38.8724, 0.4786,
0.3621


 38.8724, 0.4786,
0.3621


341.3477, 0.3936,
0.3513


 26.6605, 0.4995,
0.3625


 73.4433, 0.4477,
0.3598

 17.3184, 0.5258,
0.3617


 96.5712, 0.4361,
0.3584

 10.4618, 0.5592,
0.3581

 124.1064, 0.4262,
0.3571

 5.7062, 0.6025,
0.3489

 156.4334, 0.4178,
0.3558

 2.6673, 0.6679,
0.3321

193.9367, 0.4105,
0.3546

 0.9606, 0.7224,
0.2776

237.0006, 0.4042,

 0.0000, 1.0000,

0.3534

0.0000

286.0094, 0.3986,
0.3523

0.0000, 0.0000,
0.0000

38.8724, 0.4786,
0.3621

38.8724, 0.4786,
0.3621

33.4813, 0.5198,
0.3638

45.4450, 0.4398,
0.3581

29.1936, 0.5596,
0.3620

53.2584, 0.4052,
0.3526

25.9312, 0.5934,
0.3564

62.3753, 0.3756,
0.3466

23.6116, 0.6173,
0.3481

72.8523, 0.3507,
0.3405

84.7424, 0.3300,
0.3346

98.0960, 0.3128,
0.3290

99.6210, 0.3115,
0.3290

Harmonies

Analogous

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



38.8724, 0.4409, 0.3028



38.8724, 0.4786, 0.3621



38.8724, 0.4629, 0.4226

Triad

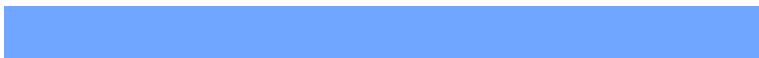
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.8724, 0.4786, 0.3621



38.8724, 0.2524, 0.4299



38.8724, 0.2125, 0.2033

Complementary

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



38.8724, 0.4786, 0.3621



61.0198, 0.2298, 0.2881

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.



38.8724, 0.1771, 0.2162



38.8724, 0.4786, 0.3621



38.8724, 0.1958, 0.3388

Square

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



38.8724, 0.4786, 0.3621



38.8724, 0.3297, 0.4826



38.8724, 0.1710, 0.2606



38.8724, 0.2771, 0.2165

Rectangle

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



38.8724, 0.4786, 0.3621



38.8724, 0.4287, 0.4581



38.8724, 0.1710, 0.2606



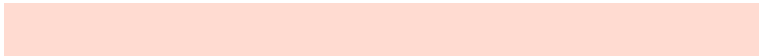
38.8724, 0.1974, 0.2045

Sweetspot

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



38.8745, 0.4786, 0.3621



76.5707, 0.3460, 0.3392



35.3545, 0.3521, 0.2143



15.6747, 0.3526, 0.3410



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.



38.8745, 0.4786, 0.3621



33.1547, 0.5278, 0.3637



67.8744, 0.4231, 0.4360



18.6269, 0.3289, 0.3342



12.7339, 0.6148, 0.3501



1.3918, 0.5937, 0.3668

Inverse Universe

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



61.0198, 0.2298, 0.2881



57.2263, 0.2190, 0.2785



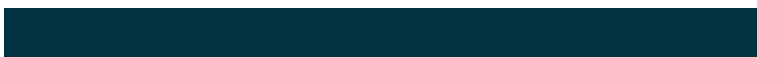
29.8181, 0.2069, 0.1866



19.7720, 0.2980, 0.3237



25.4855, 0.2048, 0.2573



2.6396, 0.2073, 0.2664

Previews

White Background



This preview shows how the Yxy color 38.8724, 0.4786, 0.3621 looks on a white background.

Color Contrast Check

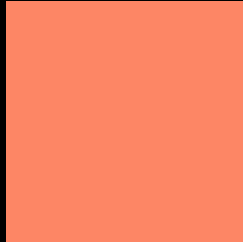
Large Text (above 18pt) WCAG AA × Fail

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 38.8724, 0.4786, 0.3621 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 38.8724, 0.4786, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 38.8724, 0.4786, 0.3621.



This preview shows how white text looks on a background with the Yxy color 38.8724, 0.4786, 0.3621.

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

38.8724, 0.4786, 0.3621

Protanopia

39.1653, 0.3743, 0.4035

Deuteranopia

38.9653, 0.4182, 0.4088



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.8724, 0.4786, 0.3621

Protanomaly

38.2910, 0.4121, 0.3881

Deuteranomaly

38.5447, 0.4399, 0.3907

Tritanomaly

38.7841, 0.4559, 0.3355

Monochromacy



Original Color

38.8724, 0.4786, 0.3621

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.0700, 0.3697, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8724, 0.4786, 0.3621 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(253, 134, 101)` looks like.

```
.text, #text, p{  
    color:rgb(253, 134, 101)  
}
```

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(253, 134, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 134, 101) }
```

Border

The CSS property to change the border of an element to Yxy 38.8724, 0.4786, 0.3621 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(253, 134, 101) }
```

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

```
.border{ border-color:rgb(253, 134, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 134, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 134, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 134, 101);  
box-shadow:4px 4px 4px 4px rgb(253, 134,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8724, 0.4786, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 134, 101) }
```

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

```
.background{ background-color: rgb(253,  
134, 101) }
```

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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