

Converting Colors

$Y_{xy}(38.1727, 0.4681, 0.3557)$

Have a look what the booklet for
Yxy(38.1727, 0.4681, 0.3557)
contains.

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Color

Yxy(38.2726, 0.4679, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	F9866C
RGB	249, 134, 108
RGB Percent	98%, 53%, 42%
CMY	0.0235, 0.4745, 0.5763
CMYK	0.00, 0.46, 0.57, 0.02
HSL	11°, 92%, 70%
HSV	11°, 57%, 98%
XYZ	50.3027, 38.2726, 18.9320
YIQ	165.4210, 76.8860, 16.2940

Conversions

Conversions Part 2

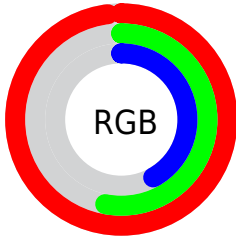
Format	Color
R _Y B	249, 140, 108
Decimal	16352876
CIE Lab	68.22, 41.42, 33.58
CIE LCh	68, 53.321, 39.034
Yxy	38.2726, 0.4679, 0.3560
Android (android.graphics.Color)	4294542956 (0xFFFF9866C)
YUV	165.4210, -28.3086, 73.2988
Hunter-Lab	61.8649, 36.8759, 25.1613

Details

The Yxy color **38.2726, 0.4679, 0.3560** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.8285, 0.2348, 0.2968**, and the grayscale version is **37.9526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1933, 0.3930, 0.3596**, and **17.0522, 0.5130, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **32.7315, 0.5099, 0.3580**, and if you desaturate by 10%, it is **45.0477, 0.4292, 0.3522**.

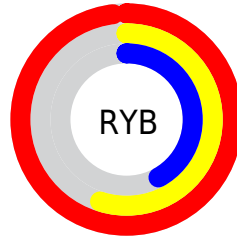
Distribution



Red (98%)

Green (53%)

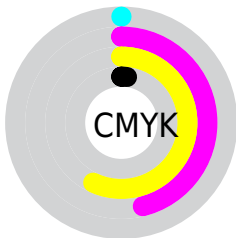
Blue (42%)



Red (98%)

Yellow (55%)

Blue (42%)

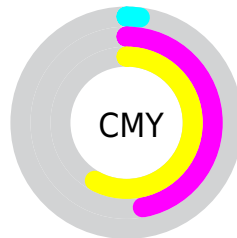


Cyan (0%)

Magenta (46%)

Yellow (57%)

Black (2%)



Cyan (2%)


Magenta (47%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2726, 0.4679, 0.3560 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 38.2726, 0.4679, 0.3560 by changing the saturation by 10% instead.


 38.2726, 0.4679,
0.3560


 38.2726, 0.4679,
0.3560


338.7879, 0.3878,
0.3473

 26.1943, 0.4880,
0.3563


 72.5258, 0.4386,
0.3541


 16.9691, 0.5135,
0.3556


 95.4695, 0.4276,
0.3530

 10.2124, 0.5466,
0.3525


 122.8037, 0.4183,
0.3519

 5.5400, 0.5901,
0.3442

 154.9130, 0.4104,
0.3509

 2.5675, 0.6663,
0.3337

192.1817, 0.4036,
0.3499

 0.9103, 0.7214,
0.2786

234.9941, 0.3976,

 0.0000, 1.0000,

0.3490

0.0000

283.7347, 0.3924,
0.3481

0.0000, 0.0000,
0.0000

38.2726, 0.4679,
0.3560

38.2726, 0.4679,
0.3560

32.7315, 0.5099,
0.3580

45.0477, 0.4292,
0.3522

28.3430, 0.5520,
0.3573

53.1194, 0.3955,
0.3473

25.0254, 0.5890,
0.3532

62.5534, 0.3669,
0.3421

22.6825, 0.6160,
0.3460

73.4091, 0.3432,
0.3370

22.0849, 0.6229,
0.3436

85.7422, 0.3237,
0.3321

98.8814, 0.3090,
0.3290

Harmonies

Analogous

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



38.2726, 0.4275, 0.2996



38.2726, 0.4679, 0.3560



38.2726, 0.4585, 0.4137

Triad

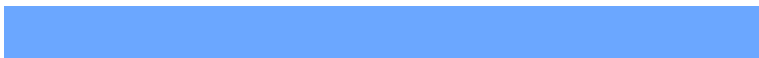
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.2726, 0.4679, 0.3560



38.2726, 0.2627, 0.4303



38.2726, 0.2132, 0.2095

Complementary

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



38.2726, 0.4679, 0.3560



62.8285, 0.2348, 0.2968

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.



38.2726, 0.1818, 0.2250



38.2726, 0.4679, 0.3560



38.2726, 0.2061, 0.3470

Square

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



38.2726, 0.4679, 0.3560



38.2726, 0.3370, 0.4744



38.2726, 0.1789, 0.2708



38.2726, 0.2723, 0.2197

Rectangle

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



38.2726, 0.4679, 0.3560



38.2726, 0.4287, 0.4477



38.2726, 0.1789, 0.2708



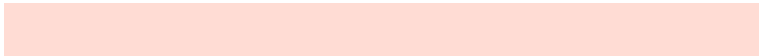
38.2726, 0.1996, 0.2116

Sweetspot

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



38.2746, 0.4679, 0.3560



76.9906, 0.3441, 0.3372



36.2098, 0.3442, 0.2157



15.9621, 0.3486, 0.3382



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.



38.2746, 0.4679, 0.3560



33.7939, 0.5162, 0.3581



64.5850, 0.4193, 0.4267



17.7422, 0.3289, 0.3334



11.9683, 0.6206, 0.3454



1.2441, 0.5995, 0.3622

Inverse Universe

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



62.8285, 0.2348, 0.2968



61.8042, 0.2241, 0.2892



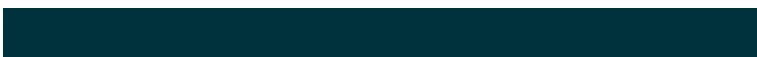
32.7064, 0.2145, 0.2026



19.0329, 0.2980, 0.3245



26.7537, 0.2080, 0.2689



2.6141, 0.2102, 0.2768

Previews

White Background



This preview shows how the Yxy color 38.2726, 0.4679, 0.3560 looks on a white background.

Color Contrast Check

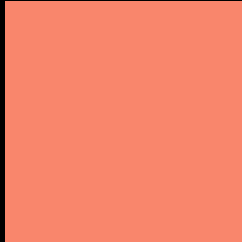
Large Text (above 18pt) WCAG AA × Fail

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 38.2726, 0.4679, 0.3560 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 38.2726, 0.4679, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 38.2726, 0.4679, 0.3560.



This preview shows how white text looks on a background with the Yxy color 38.2726, 0.4679, 0.3560.

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

38.2726, 0.4679, 0.3560

Protanopia

38.6016, 0.3655, 0.3934

Deuteranopia

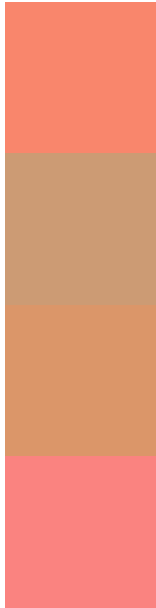
38.3321, 0.4096, 0.4005



Tritanopia

38.3386, 0.4375, 0.3199

Trichromacy



Original Color

38.2726, 0.4679, 0.3560

Protanomaly

37.5410, 0.4018, 0.3792

Deuteranomaly

37.8927, 0.4310, 0.3828

Tritanomaly

38.1151, 0.4488, 0.3325

Monochromacy



Original Color

38.2726, 0.4679, 0.3560

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.8606, 0.3656, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2726, 0.4679, 0.3560 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(249, 134, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 134, 108)  
}
```

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(249, 134, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 134, 108) }
```

Border

The CSS property to change the border of an element to Yxy 38.2726, 0.4679, 0.3560 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(249, 134, 108) }
```

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

```
.border{ border-color:rgb(249, 134, 108) }
```

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

Here you see how a box with a 4 pixel rgb(249, 134, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 134, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 134, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 134,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2726, 0.4679, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 134, 108) }
```

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

```
.background{ background-color: rgb(249,  
134, 108) }
```

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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