

Converting Colors

$Y_{xy}(38.5757, 0.4762, 0.3587)$

Have a look what the booklet for
Yxy(38.5757, 0.4762, 0.3587)
contains.

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Color

Yxy(38.6572, 0.4763, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	FD8568
RGB	253, 133, 104
RGB Percent	99%, 52%, 41%
CMY	0.0079, 0.4783, 0.5922
CMYK	0.00, 0.47, 0.59, 0.01
HSL	12°, 97%, 70%
HSV	12°, 59%, 99%
XYZ	51.3883, 38.6572, 17.8451
YIQ	165.5740, 80.8290, 16.4210

Conversions

Conversions Part 2

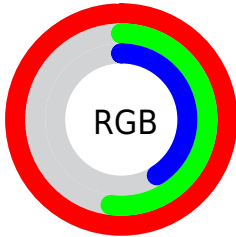
Format	Color
R _Y B	253, 140, 104
Decimal	16614760
CIE Lab	68.50, 43.10, 36.24
CIE LCh	69, 56.310, 40.064
Yxy	38.6572, 0.4763, 0.3583
Android (android.graphics.Color)	4294804840 (0xFFFD8568)
YUV	165.5740, -30.3560, 76.6726
Hunter-Lab	62.1749, 38.7262, 26.5053

Details

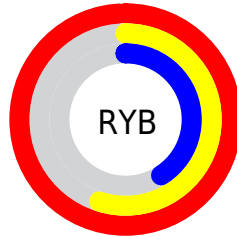
The Yxy color **38.6572, 0.4763, 0.3583** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.3124, 0.2320, 0.2933**, and the grayscale version is **38.0388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6267, 0.3968, 0.3627**, and **17.0992, 0.5235, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **33.1722, 0.5183, 0.3599**, and if you desaturate by 10%, it is **45.3817, 0.4370, 0.3546**.

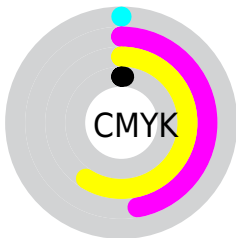
Distribution



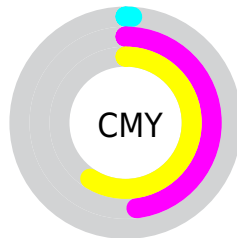
- Red (99%)
- Green (52%)
- Blue (41%)



- Red (99%)
- Yellow (55%)
- Blue (41%)



- Cyan (0%)
- Magenta (47%)
- Yellow (59%)
- Black (1%)




- Cyan (1%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6572, 0.4763, 0.3583 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 38.6572, 0.4763, 0.3583 by changing the saturation by 10% instead.


 38.6572, 0.4763,
0.3583


 38.6572, 0.4763,
0.3583


340.4308, 0.3922,
0.3491


 26.4932, 0.4971,
0.3585


 73.1143, 0.4457,
0.3565


 17.1929, 0.5234,
0.3574


 96.1762, 0.4341,
0.3553

 10.3721, 0.5571,
0.3536


 123.6395, 0.4244,
0.3542

 5.6464, 0.6009,
0.3442

 155.8886, 0.4161,
0.3530

 2.6313, 0.6710,
0.3290

193.3079, 0.4089,
0.3520

 0.9424, 0.7263,
0.2737

236.2818, 0.4026,

 0.0000, 1.0000,

0.3510

0.0000

285.1946, 0.3971,
0.3500

0.0000, 0.0000,
0.0000

38.6572, 0.4763,
0.3583

38.6572, 0.4763,
0.3583

33.1722, 0.5183,
0.3599

45.3817, 0.4370,
0.3546

28.8437, 0.5593,
0.3585

53.4098, 0.4024,
0.3496

25.5875, 0.5944,
0.3535

62.8084, 0.3728,
0.3441

23.3012, 0.6190,
0.3457

73.6380, 0.3482,
0.3387

23.1011, 0.6213,
0.3449

85.9553, 0.3278,
0.3334

99.6189, 0.3115,
0.3290

Harmonies

Analogous

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



38.6572, 0.4357, 0.2997



38.6572, 0.4763, 0.3583



38.6572, 0.4640, 0.4184

Triad

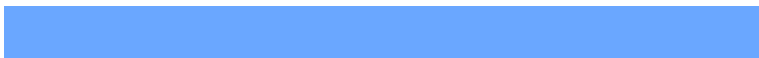
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.6572, 0.4763, 0.3583



38.6572, 0.2573, 0.4337



38.6572, 0.2104, 0.2043

Complementary

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



38.6572, 0.4763, 0.3583



63.3124, 0.2320, 0.2933

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.



38.6572, 0.1769, 0.2190



38.6572, 0.4763, 0.3583



38.6572, 0.1994, 0.3444

Square

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



38.6572, 0.4763, 0.3583



38.6572, 0.3346, 0.4821



38.6572, 0.1727, 0.2651



38.6572, 0.2727, 0.2159

Rectangle

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



38.6572, 0.4763, 0.3583



38.6572, 0.4315, 0.4543



38.6572, 0.1727, 0.2651



38.6572, 0.1960, 0.2061

Sweetspot

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



38.6592, 0.4763, 0.3583



76.0349, 0.3462, 0.3382



36.2488, 0.3459, 0.2120



15.5462, 0.3528, 0.3398



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.



38.6592, 0.4763, 0.3583



32.7414, 0.5273, 0.3599



65.9234, 0.4240, 0.4299



18.5600, 0.3290, 0.3337



12.4491, 0.6189, 0.3468



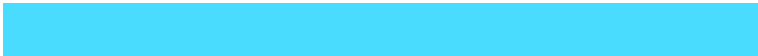
1.3550, 0.5986, 0.3629

Inverse Universe

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



63.3124, 0.2320, 0.2933



59.7103, 0.2211, 0.2846



32.2193, 0.2105, 0.1964



19.8443, 0.2980, 0.3243



26.8759, 0.2070, 0.2651



2.7635, 0.2092, 0.2732

Previews

White Background



This preview shows how the Yxy color 38.6572, 0.4763, 0.3583 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 38.6572, 0.4763, 0.3583 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 38.6572, 0.4763, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 38.6572, 0.4763, 0.3583.



This preview shows how white text looks on a background with the Yxy color 38.6572, 0.4763, 0.3583.

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

38.6572, 0.4763, 0.3583

Protanopia

38.7692, 0.3702, 0.3971

Deuteranopia

38.7390, 0.4136, 0.4061



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.6572, 0.4763, 0.3583

Protanomaly

37.9003, 0.4078, 0.3823

Deuteranomaly

38.1244, 0.4369, 0.3867

Tritanomaly

38.5425, 0.4553, 0.3335

Monochromacy



Original Color

38.6572, 0.4763, 0.3583

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.1001, 0.3687, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6572, 0.4763, 0.3583 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, 133, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 133, 104)  
}
```

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, 133, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 133, 104) }
```

Border

The CSS property to change the border of an element to Yxy 38.6572, 0.4763, 0.3583 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, 133, 104) }
```

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

```
.border{ border-color:rgb(253, 133, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 133, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 133, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 133, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 133,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6572, 0.4763, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 133, 104) }
```

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

```
.background{ background-color: rgb(253,  
133, 104) }
```

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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