

Converting Colors

$Y_{xy}(47.1146, 0.5357, 0.3641)$

Have a look what the booklet for
Yxy(47.1146, 0.5357, 0.3641)
contains.

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Color

Yxy(37.2775, 0.5050, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	FF8050
RGB	255, 128, 80
RGB Percent	100%, 50%, 31%
CMY	0.0001, 0.4980, 0.6863
CMYK	0.00, 0.50, 0.69, 0.00
HSL	16°, 100%, 66%
HSV	16°, 69%, 100%
XYZ	50.4020, 37.2775, 12.1264
YIQ	160.5010, 91.1000, 11.9960

Conversions

Conversions Part 2

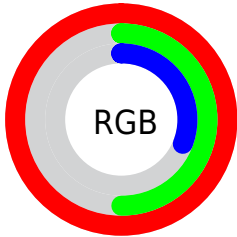
Format	Color
R_{YB}	255, 146, 80
Decimal	16744528
CIE _{Lab}	67.48, 44.86, 47.71
CIE _{LCh}	67, 65.490, 46.767
Yxy	37.2775, 0.5050, 0.3735
Android (android.graphics.Color)	4294934608 (0xFFFF8050)
YUV	160.5010, -39.6870, 82.8756
Hunter-Lab	61.0553, 40.5074, 30.9629

Details

The Yxy color **37.2775, 0.5050, 0.3735** 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 **53.5264, 0.2185, 0.2679**, and the grayscale version is **35.5552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7657, 0.4202, 0.3831**, and **16.3429, 0.5561, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **32.5764, 0.5430, 0.3729**, and if you desaturate by 10%, it is **43.0053, 0.4665, 0.3704**.

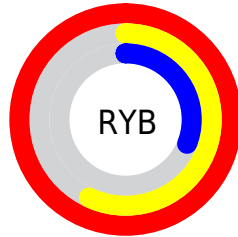
Distribution



Red (100%)

Green (50%)

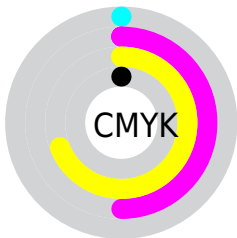
Blue (31%)



Red (100%)

Yellow (57%)

Blue (31%)

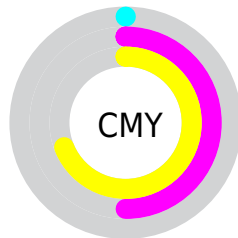


Cyan (0%)

Magenta (50%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2775, 0.5050, 0.3735 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 37.2775, 0.5050, 0.3735 by changing the saturation by 10% instead.


 37.2775, 0.5050,
0.3735


 37.2775, 0.5050,
0.3735


334.5104, 0.4074,
0.3599

 25.4224, 0.5281,
0.3734


 70.9994, 0.4701,
0.3710

 16.3921, 0.5563,
0.3712


 93.6350, 0.4568,
0.3694


 9.8020, 0.5908,
0.3646


 120.6328, 0.4454,
0.3676

 5.2679, 0.6440,
0.3560

 152.3774, 0.4356,
0.3659

 2.4053, 0.6816,
0.3184

 189.2530, 0.4272,
0.3643

 0.8286, 0.7410,
0.2590

231.6442, 0.4198,

 0.0000, 1.0000,

0.3627

0.0000

279.9351, 0.4132,
0.3613

■ 0.0000, 0.0000,
0.0000

■ 37.2775, 0.5050,
0.3735

■ 37.2775, 0.5050,
0.3735

■ 32.5764, 0.5430,
0.3729

■ 43.0053, 0.4665,
0.3704

■ 28.8311, 0.5767,
0.3679

■ 49.8127, 0.4304,
0.3647

■ 25.9667, 0.6024,
0.3587

■ 57.7554, 0.3982,
0.3576

■ 25.6349, 0.6055,
0.3574

■ 66.8838, 0.3705,
0.3500

■ 77.2449, 0.3469,
0.3423

 88.8830, 0.3272,
0.3350

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



37.2775, 0.4731, 0.3074



37.2775, 0.5050, 0.3735



37.2775, 0.4748, 0.4420

Triad

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



37.2775, 0.5050, 0.3735



37.2775, 0.2290, 0.4325



37.2775, 0.2079, 0.1876

Complementary

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



37.2775, 0.5050, 0.3735



53.5264, 0.2185, 0.2679

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.



37.2775, 0.1638, 0.1958



37.2775, 0.5050, 0.3735



37.2775, 0.1720, 0.3214

Square

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



37.2775, 0.5050, 0.3735



37.2775, 0.3140, 0.5062



37.2775, 0.1515, 0.2377



37.2775, 0.2854, 0.2067

Rectangle

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



37.2775, 0.5050, 0.3735



37.2775, 0.4303, 0.4831



37.2775, 0.1515, 0.2377



37.2775, 0.1895, 0.1871

Sweetspot

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



37.2795, 0.5050, 0.3735



74.6858, 0.3521, 0.3441



31.5624, 0.3698, 0.2102



15.3642, 0.3585, 0.3462



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.



37.2795, 0.5050, 0.3735



31.2151, 0.5551, 0.3717



70.0050, 0.4326, 0.4535



18.7983, 0.3287, 0.3356



13.6090, 0.6026, 0.3597



1.4981, 0.5806, 0.3772

Inverse Universe

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



53.5264, 0.2185, 0.2679



48.0079, 0.2077, 0.2539



22.5557, 0.1901, 0.1522



19.5887, 0.2980, 0.3223



22.1677, 0.1992, 0.2370



2.3411, 0.2024, 0.2488

Previews

White Background



This preview shows how the Yxy color 37.2775, 0.5050, 0.3735 looks on a white background.

Color Contrast Check

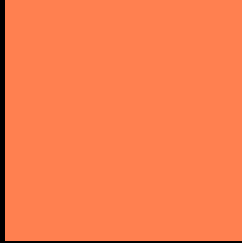
Large Text (above 18pt) WCAG AA × Fail

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 37.2775, 0.5050, 0.3735 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 37.2775, 0.5050, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 37.2775, 0.5050, 0.3735.



This preview shows how white text looks on a background with the Yxy color 37.2775, 0.5050, 0.3735.

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

37.2775, 0.5050, 0.3735

Protanopia

37.5067, 0.3936, 0.4287

Deuteranopia

37.4457, 0.4373, 0.4288



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.2775, 0.5050, 0.3735



Protanomaly

36.5710, 0.4343, 0.4072



Deuteranomaly

36.7675, 0.4642, 0.4063



Tritanomaly

37.1195, 0.4741, 0.3413

Monochromacy



Original Color

37.2775, 0.5050, 0.3735



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.7629, 0.3789, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2775, 0.5050, 0.3735 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, 128, 80)` looks like.

```
.text, #text, p{  
  color:rgb(255, 128, 80)  
}
```

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, 128, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 80) }
```

Border

The CSS property to change the border of an element to Yxy 37.2775, 0.5050, 0.3735 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, 128, 80) }
```

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

```
.border{ border-color:rgb(255, 128, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2775, 0.5050, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 80) }
```

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

```
.background{ background-color: rgb(255,  
128, 80) }
```

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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