

Converting Colors

Yxy(51.0317, 0.4792, 0.3930)

Have a look what the booklet for
Yxy(51.0317, 0.4792, 0.3930)
contains.

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Color

Yxy(47.8734, 0.4660, 0.3977)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFA25C |
| RGB | 255, 162, 92 |
| RGB Percent | 100%, 64%, 36% |
| CMY | 0.0000, 0.3647, 0.6392 |
| CMYK | 0.00, 0.36, 0.64, 0.00 |
| HSL | 26°, 100%, 68% |
| HSV | 26°, 64%, 100% |
| XYZ | 56.0951, 47.8734, 16.4072 |
| YIQ | 181.8270, 77.8980, -2.0540 |

Conversions

Conversions Part 2

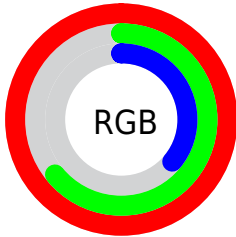
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 215, 92 |
| Decimal | 16753244 |
| CIE Lab | 74.75, 28.26, 50.03 |
| CIE LCh | 75, 57.460, 60.538 |
| Yxy | 47.8734, 0.4660, 0.3977 |
| Android (android.graphics.Color) | 4294943324 (0xFFFFA25C) |
| YUV | 181.8270, -44.2847, 64.1727 |
| Hunter-Lab | 69.1906, 23.6321, 34.3740 |

Details

The Yxy color **47.8734, 0.4660, 0.3977** 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 **44.1896, 0.2151, 0.2388**, and the grayscale version is **46.8930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8993, 0.3934, 0.4034**, and **22.7884, 0.5031, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **42.6678, 0.4971, 0.4022**, and if you desaturate by 10%, it is **53.8226, 0.4352, 0.3896**.

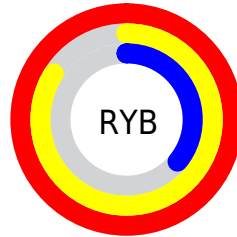
Distribution



Red (100%)

Green (64%)

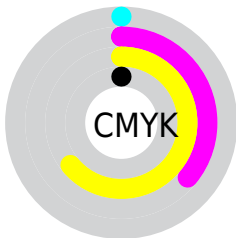
Blue (36%)



Red (100%)

Yellow (84%)

Blue (36%)

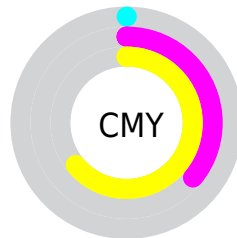


Cyan (0%)

Magenta (36%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8734, 0.4660, 0.3977 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 47.8734, 0.4660, 0.3977 by changing the saturation by 10% instead.

 47.8734, 0.4660,
0.3977


 47.8734, 0.4660,
0.3977


378.2901, 0.3915,
0.3701


 33.7266, 0.4829,
0.4020


 87.0159, 0.4400,
0.3895


 22.6837, 0.5034,
0.4059


 112.7804, 0.4299,
0.3859

 14.3601, 0.5281,
0.4085


 143.1863, 0.4212,
0.3826

 8.3716, 0.5584,
0.4080

 178.6179, 0.4136,
0.3796

 4.3336, 0.5979,
0.4021

219.4597, 0.4070,
0.3769

 1.8619, 0.6293,
0.3707

266.0961, 0.4012,

 0.5253, 0.7023,

0.3744

0.2977

318.9114, 0.3961,
0.3722

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.8734, 0.4660,
0.3977

47.8734, 0.4660,
0.3977

42.6678, 0.4971,
0.4022

53.8226, 0.4352,
0.3896

38.1690, 0.5264,
0.4017


60.5473, 0.4062,
0.3793

34.3369, 0.5515,
0.3958

68.0780, 0.3799,
0.3677

32.3079, 0.5645,
0.3900

76.4433, 0.3567,
0.3559

 85.6700, 0.3364,
0.3442

 95.7836, 0.3189,
0.3332

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.8734, 0.4614, 0.3396



47.8734, 0.4660, 0.3977



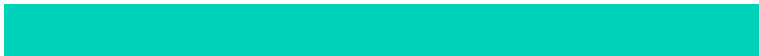
47.8734, 0.4259, 0.4500

Triad

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



47.8734, 0.4660, 0.3977



47.8734, 0.2194, 0.3717



47.8734, 0.2530, 0.2145

Complementary

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



47.8734, 0.4660, 0.3977



44.1896, 0.2151, 0.2388

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.



47.8734, 0.2015, 0.2111



47.8734, 0.4660, 0.3977



47.8734, 0.1835, 0.2896

Square

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



47.8734, 0.4660, 0.3977



47.8734, 0.2828, 0.4486



47.8734, 0.1781, 0.2346



47.8734, 0.3282, 0.2406

Rectangle

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



47.8734, 0.4660, 0.3977



47.8734, 0.3828, 0.4720



47.8734, 0.1781, 0.2346



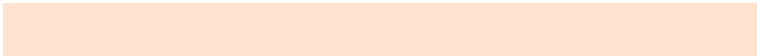
47.8734, 0.2328, 0.2106

Sweetspot

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



47.8737, 0.4660, 0.3977



80.8774, 0.3463, 0.3501



32.5045, 0.3944, 0.2372



16.7543, 0.3523, 0.3534



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.



47.8737, 0.4660, 0.3977



41.2105, 0.5064, 0.4026



85.1898, 0.4094, 0.4666



19.2699, 0.3284, 0.3392



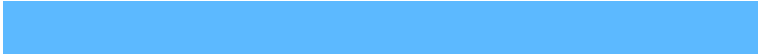
17.1642, 0.5616, 0.3922



1.8830, 0.5416, 0.4081

Inverse Universe

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



44.1896, 0.2151, 0.2388



37.1412, 0.2003, 0.2166



19.7161, 0.1912, 0.1367



19.0983, 0.2979, 0.3185



14.7338, 0.1838, 0.1816



1.6516, 0.1889, 0.1999

Previews

White Background



This preview shows how the Yxy color 47.8734, 0.4660, 0.3977 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 47.8734, 0.4660, 0.3977 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 47.8734, 0.4660, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 47.8734, 0.4660, 0.3977.



This preview shows how white text looks on a background with the Yxy color 47.8734, 0.4660, 0.3977.

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

47.8734, 0.4660, 0.3977

Protanopia

47.8976, 0.3972, 0.4317

Deuteranopia

48.1028, 0.4327, 0.4247



Tritanopia

47.7901, 0.4002, 0.3187

Trichromacy



Original Color

47.8734, 0.4660, 0.3977

Protanomaly

47.4433, 0.4223, 0.4191

Deuteranomaly

47.8685, 0.4448, 0.4148

Tritanomaly

47.5778, 0.4266, 0.3492

Monochromacy



Original Color

47.8734, 0.4660, 0.3977

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.3852, 0.3666, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8734, 0.4660, 0.3977 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, 162, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 92)  
}
```

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, 162, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 92) }
```

Border

The CSS property to change the border of an element to Yxy 47.8734, 0.4660, 0.3977 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, 162, 92) }
```

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

```
.border{ border-color:rgb(255, 162, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8734, 0.4660, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 92) }
```

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

```
.background{ background-color: rgb(255,  
162, 92) }
```

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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