

Converting Colors

Yxy(56.4322, 0.4772, 0.3684)

Have a look what the booklet for
Yxy(56.4322, 0.4772, 0.3684)
contains.

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Color

Yxy(48.3616, 0.4460, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	FFA274
RGB	255, 162, 116
RGB Percent	100%, 64%, 45%
CMY	0.0000, 0.3647, 0.5451
CMYK	0.00, 0.36, 0.55, 0.00
HSL	20°, 100%, 73%
HSV	20°, 55%, 100%
XYZ	57.3194, 48.3616, 22.8378
YIQ	184.5630, 70.1940, 5.4100

Conversions

Conversions Part 2

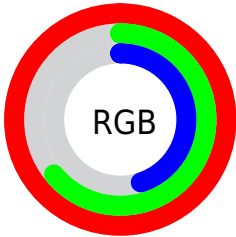
Format	Color
R_{YB}	255, 185, 116
Decimal	16753268
CIE _{Lab}	75.05, 29.97, 38.16
CIE _{LCh}	75, 48.516, 51.856
Yxy	48.3616, 0.4460, 0.3763
Android (android.graphics.Color)	4294943348 (0xFFFFA274)
YUV	184.5630, -33.8016, 61.7732
Hunter-Lab	69.5425, 25.4265, 29.2089

Details

The Yxy color **48.3616, 0.4460, 0.3763** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.5398, 0.2315, 0.2724**, and the grayscale version is **48.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7503, 0.3757, 0.3784**, and **23.0264, 0.4798, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **42.2366, 0.4812, 0.3819**, and if you desaturate by 10%, it is **55.4612, 0.4134, 0.3685**.

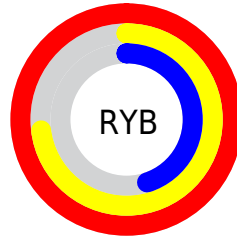
Distribution



Red (100%)

Green (64%)

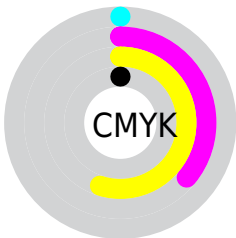
Blue (45%)



Red (100%)

Yellow (73%)

Blue (45%)

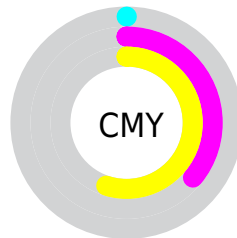


Cyan (0%)

Magenta (36%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3616, 0.4460, 0.3763 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 48.3616, 0.4460, 0.3763 by changing the saturation by 10% instead.


 48.3616, 0.4460,
0.3763

 48.3616, 0.4460,
0.3763


380.2236, 0.3800,
0.3571


 34.1133, 0.4617,
0.3795


 87.7425, 0.4225,
0.3705

 22.9807, 0.4813,
0.3827


 113.6440, 0.4135,
0.3679

 14.5792, 0.5061,
0.3853


 144.1987, 0.4058,
0.3656

 8.5246, 0.5378,
0.3858

179.7909, 0.3992,
0.3636

 4.4324, 0.5847,
0.3847

220.8051, 0.3935,
0.3617

 1.9183, 0.6354,
0.3646

267.6257, 0.3884,

 0.5593, 0.7051,

0.3600

0.2949

320.6371, 0.3840,
0.3585

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.3616, 0.4460,
0.3763

48.3616, 0.4460,
0.3763

42.2366, 0.4812,
0.3819

55.4612, 0.4134,
0.3685

37.0457, 0.5173,
0.3840

63.5842, 0.3845,
0.3596

32.7363, 0.5510,
0.3815

72.7687, 0.3594,
0.3504

29.2514, 0.5791,
0.3739

83.0527, 0.3380,
0.3413

■ 27.6584, 0.5918,
0.3683

■ 94.4720, 0.3199,
0.3327

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.



48.3616, 0.4287, 0.3256



48.3616, 0.4460, 0.3763



48.3616, 0.4233, 0.4228

Triad

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



48.3616, 0.4460, 0.3763



48.3616, 0.2476, 0.3854



48.3616, 0.2468, 0.2269

Complementary

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



48.3616, 0.4460, 0.3763



56.5398, 0.2315, 0.2724

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.



48.3616, 0.2083, 0.2311



48.3616, 0.4460, 0.3763



48.3616, 0.2081, 0.3156

Square

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



48.3616, 0.4460, 0.3763



48.3616, 0.3072, 0.4393



48.3616, 0.1950, 0.2604



48.3616, 0.3066, 0.2442

Rectangle

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



48.3616, 0.4460, 0.3763



48.3616, 0.3912, 0.4446



48.3616, 0.1950, 0.2604



48.3616, 0.2313, 0.2257

Sweetspot

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



48.3596, 0.4460, 0.3763



81.4468, 0.3410, 0.3426



38.4544, 0.3621, 0.2350



16.9676, 0.3452, 0.3445



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.



48.3596, 0.4460, 0.3763



41.9596, 0.4830, 0.3821



78.8466, 0.4046, 0.4397



18.9687, 0.3286, 0.3369



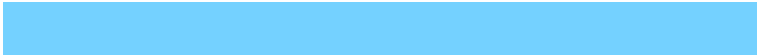
14.6947, 0.5888, 0.3707



1.6214, 0.5668, 0.3881

Inverse Universe

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



56.5398, 0.2315, 0.2724



50.7384, 0.2191, 0.2592



30.1273, 0.2131, 0.1842



19.4091, 0.2980, 0.3209



19.2036, 0.1936, 0.2168



2.0703, 0.1975, 0.2311

Previews

White Background



This preview shows how the Yxy color 48.3616, 0.4460, 0.3763 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 48.3616, 0.4460, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

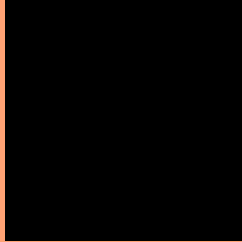
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3616, 0.4460, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 48.3616, 0.4460, 0.3763.



This preview shows how white text looks on a background with the Yxy color 48.3616, 0.4460, 0.3763.

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

48.3616, 0.4460, 0.3763

Protanopia

48.5961, 0.3757, 0.4045

Deuteranopia

48.4838, 0.4110, 0.4030



Tritanopia

48.2011, 0.3978, 0.3177

Trichromacy



Original Color

48.3616, 0.4460, 0.3763

Protanomaly

48.2216, 0.4007, 0.3939

Deuteranomaly

48.3821, 0.4234, 0.3935

Tritanomaly

48.2262, 0.4162, 0.3398

Monochromacy



Original Color

48.3616, 0.4460, 0.3763

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.6840, 0.3571, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3616, 0.4460, 0.3763 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 116) }
```

Border

The CSS property to change the border of an element to Yxy 48.3616, 0.4460, 0.3763 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, 116) }
```

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

```
.border{ border-color:rgb(255, 162, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3616, 0.4460, 0.3763 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
162, 116) }
```

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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