

Converting Colors

$Y_{xy}(49.8872, 0.4796, 0.4001)$

Have a look what the booklet for
Yxy(49.8872, 0.4796, 0.4001)
contains.

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Color

Yxy(47.7565, 0.4712, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	FFA255
RGB	255, 162, 85
RGB Percent	100%, 64%, 33%
CMY	0.0000, 0.3647, 0.6669
CMYK	0.00, 0.36, 0.67, 0.00
HSL	27°, 100%, 67%
HSV	27°, 67%, 100%
XYZ	55.7968, 47.7565, 14.8610
YIQ	181.0290, 80.1450, -4.2310

Conversions

Conversions Part 2

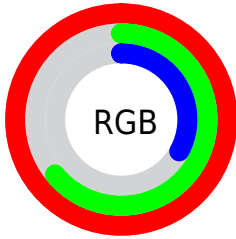
Format	Color
R_{YB}	255, 226, 85
Decimal	16753237
CIE _{Lab}	74.67, 27.84, 53.36
CIE _{LCh}	75, 60.180, 62.449
Yxy	47.7565, 0.4712, 0.4033
Android (android.graphics.Color)	4294943317 (0xFFFFA255)
YUV	181.0290, -47.3423, 64.8726
Hunter-Lab	69.1061, 23.1868, 35.6242

Details

The Yxy color **47.7565, 0.4712, 0.4033** 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 **40.9628, 0.2104, 0.2286**, and the grayscale version is **46.4527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6919, 0.3982, 0.4101**, and **22.6048, 0.5077, 0.4120** is the 20% darker color. If you saturate the color by 10%, you get **42.7807, 0.5008, 0.4070**, and if you desaturate by 10%, it is **53.4278, 0.4412, 0.3955**.

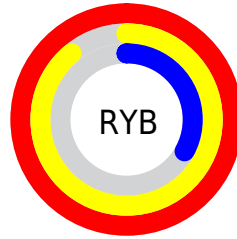
Distribution



Red (100%)

Green (64%)

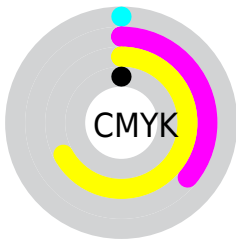
Blue (33%)



Red (100%)

Yellow (89%)

Blue (33%)

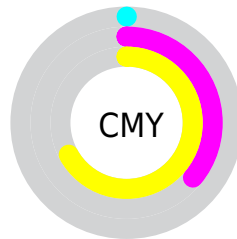


Cyan (0%)

Magenta (36%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7565, 0.4712, 0.4033 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 47.7565, 0.4712, 0.4033 by changing the saturation by 10% instead.


 47.7565, 0.4712,
0.4033

 47.7565, 0.4712,
0.4033

377.8261, 0.3947,
0.3737

 33.6341, 0.4883,
0.4078


 86.8417, 0.4447,
0.3947


 22.6126, 0.5087,
0.4117


 112.5734, 0.4343,
0.3908


 14.3078, 0.5330,
0.4140


 142.9435, 0.4254,
0.3872

 8.3350, 0.5638,
0.4139

 178.3366, 0.4176,
0.3840

 4.3101, 0.5966,
0.4034

 219.1370, 0.4108,
0.3811

 1.8485, 0.6277,
0.3723

265.7292, 0.4048,

 0.5171, 0.7016,

0.3784

0.2984

318.4974, 0.3994,
0.3759

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7565, 0.4712,
0.4033

47.7565, 0.4712,
0.4033

42.7807, 0.5008,
0.4070

53.4278, 0.4412,
0.3955

38.4589, 0.5280,
0.4056

59.8182, 0.4125,
0.3851

34.7541, 0.5507,
0.3986

66.9589, 0.3860,
0.3732

33.6482, 0.5575,
0.3955

74.8764, 0.3624,
0.3607

83.5960, 0.3416,
0.3484

93.1415, 0.3234,
0.3365

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



47.7565, 0.4704, 0.3430



47.7565, 0.4712, 0.4033



47.7565, 0.4264, 0.4575

Triad

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



47.7565, 0.4712, 0.4033



47.7565, 0.2118, 0.3677



47.7565, 0.2545, 0.2111

Complementary

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



47.7565, 0.4712, 0.4033



40.9628, 0.2104, 0.2286

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.



47.7565, 0.1995, 0.2058



47.7565, 0.4712, 0.4033



47.7565, 0.1769, 0.2826

Square

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



47.7565, 0.4712, 0.4033



47.7565, 0.2761, 0.4512



47.7565, 0.1735, 0.2278



47.7565, 0.3342, 0.2395

Rectangle

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



47.7565, 0.4712, 0.4033



47.7565, 0.3803, 0.4799



47.7565, 0.1735, 0.2278



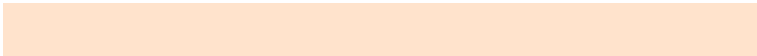
47.7565, 0.2330, 0.2065

Sweetspot

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



47.7589, 0.4712, 0.4033



80.6194, 0.3482, 0.3524



30.9817, 0.4071, 0.2399



16.7299, 0.3540, 0.3559



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.



47.7589, 0.4712, 0.4033



41.2793, 0.5102, 0.4072



88.1248, 0.4092, 0.4746



19.3429, 0.3283, 0.3398



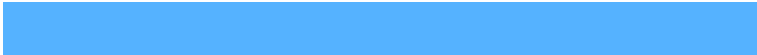
17.8722, 0.5548, 0.3977



1.9550, 0.5355, 0.4130

Inverse Universe

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



40.9628, 0.2104, 0.2286



33.9587, 0.1956, 0.2048



17.0573, 0.1848, 0.1224



19.0242, 0.2979, 0.3180



13.7900, 0.1815, 0.1733



1.5611, 0.1868, 0.1925

Previews

White Background



This preview shows how the Yxy color 47.7565, 0.4712, 0.4033 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 47.7565, 0.4712, 0.4033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

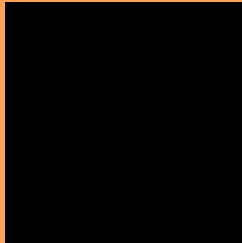
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7565, 0.4712, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 47.7565, 0.4712, 0.4033.



This preview shows how white text looks on a background with the Yxy color 47.7565, 0.4712, 0.4033.

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

47.7565, 0.4712, 0.4033

Protanopia

47.8911, 0.4037, 0.4397

Deuteranopia

47.7631, 0.4391, 0.4294



Tritanopia

47.7901, 0.4002, 0.3187

Trichromacy



Original Color

47.7565, 0.4712, 0.4033

Protanomaly

47.4599, 0.4291, 0.4264

Deuteranomaly

47.5511, 0.4514, 0.4193

Tritanomaly

47.5199, 0.4286, 0.3513

Monochromacy



Original Color

47.7565, 0.4712, 0.4033

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7573, 0.3687, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7565, 0.4712, 0.4033 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 85) }
```

Border

The CSS property to change the border of an element to Yxy 47.7565, 0.4712, 0.4033 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, 85) }
```

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

```
.border{ border-color:rgb(255, 162, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7565, 0.4712, 0.4033 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
162, 85) }
```

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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