

Converting Colors

$Yxy(48.3017, 0.4651, 0.3991)$

Have a look what the booklet for
Yxy(48.3017, 0.4651, 0.3991)
contains.

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Color

Yxy(48.2271, 0.4652, 0.3987)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFA35C |
| RGB | 255, 163, 92 |
| RGB Percent | 100%, 64%, 36% |
| CMY | 0.0000, 0.3608, 0.6393 |
| CMYK | 0.00, 0.36, 0.64, 0.00 |
| HSL | 26°, 100%, 68% |
| HSV | 26°, 64%, 100% |
| XYZ | 56.2710, 48.2271, 16.4628 |
| YIQ | 182.4140, 77.6230, -2.5770 |

Conversions

Conversions Part 2

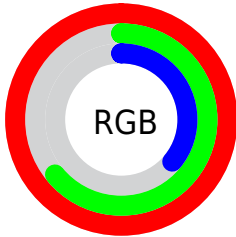
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 218, 92 |
| Decimal | 16753500 |
| CIELab | 74.97, 27.74, 50.29 |
| CIElCh | 75, 57.436, 61.122 |
| Yxy | 48.2271, 0.4652, 0.3987 |
| Android (android.graphics.Color) | 4294943580 (0xFFFFA35C) |
| YUV | 182.4140, -44.5741, 63.6579 |
| Hunter-Lab | 69.4457, 23.1063, 34.5568 |

Details

The Yxy color **48.2271, 0.4652, 0.3987** 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 **43.7651, 0.2148, 0.2374**, and the grayscale version is **47.2317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4164, 0.3930, 0.4044**, and **23.0054, 0.5018, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **43.0315, 0.4960, 0.4033**, and if you desaturate by 10%, it is **54.1554, 0.4346, 0.3905**.

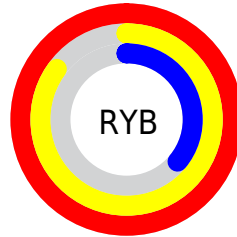
Distribution



Red (100%)

Green (64%)

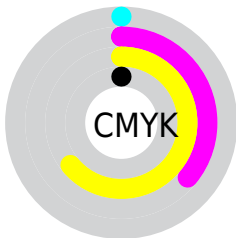
Blue (36%)



Red (100%)

Yellow (85%)

Blue (36%)

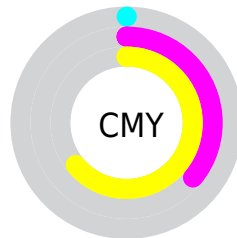


Cyan (0%)

Magenta (36%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2271, 0.4652, 0.3987 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 48.2271, 0.4652, 0.3987 by changing the saturation by 10% instead.

 48.2271, 0.4652,
0.3987


 48.2271, 0.4652,
0.3987


379.6916, 0.3912,
0.3706


 34.0068, 0.4820,
0.4031


 87.5424, 0.4394,
0.3904


 22.8988, 0.5022,
0.4072

 113.4062, 0.4293,
0.3867

 14.5188, 0.5266,
0.4100


 143.9200, 0.4207,
0.3833

 8.4824, 0.5564,
0.4098

 179.4680, 0.4132,
0.3803

 4.4051, 0.5955,
0.4045

220.4348, 0.4067,
0.3775

 1.9027, 0.6261,
0.3739

267.2048, 0.4009,

 0.5500, 0.6950,

0.3750

320.1622, 0.3958,
0.3727

0.3050

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.2271, 0.4652,
0.3987

48.2271, 0.4652,
0.3987

43.0315, 0.4960,
0.4033

54.1554, 0.4346,
0.3905

38.5316, 0.5250,
0.4030


60.8467, 0.4059,
0.3800


34.6884, 0.5498,
0.3971

68.3313, 0.3798,
0.3683

32.6500, 0.5627,
0.3914

76.6370, 0.3566,
0.3562

 85.7902, 0.3364,
0.3444

 95.8159, 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.



48.2271, 0.4616, 0.3407



48.2271, 0.4652, 0.3987



48.2271, 0.4245, 0.4505

Triad

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



48.2271, 0.4652, 0.3987



48.2271, 0.2186, 0.3699



48.2271, 0.2544, 0.2150

Complementary

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



48.2271, 0.4652, 0.3987



43.7651, 0.2148, 0.2374

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.



48.2271, 0.2025, 0.2112



48.2271, 0.4652, 0.3987



48.2271, 0.1834, 0.2884

Square

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



48.2271, 0.4652, 0.3987



48.2271, 0.2815, 0.4470



48.2271, 0.1786, 0.2342



48.2271, 0.3298, 0.2416

Rectangle

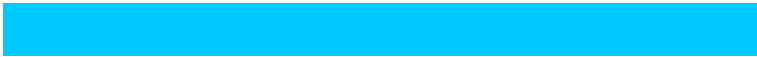
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2271, 0.4652, 0.3987



48.2271, 0.3813, 0.4720



48.2271, 0.1786, 0.2342



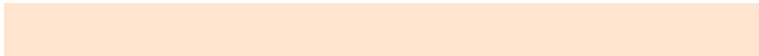
48.2271, 0.2341, 0.2110

Sweetspot

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



48.2277, 0.4652, 0.3987



81.0420, 0.3463, 0.3504



32.3863, 0.3979, 0.2397



16.7939, 0.3522, 0.3538



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.



48.2277, 0.4652, 0.3987



41.5777, 0.5052, 0.4038



86.8131, 0.4078, 0.4686



19.2890, 0.3283, 0.3394



17.3448, 0.5599, 0.3937



1.9015, 0.5400, 0.4094

Inverse Universe

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



43.7651, 0.2148, 0.2374



36.6848, 0.1998, 0.2149



19.1642, 0.1904, 0.1337



19.0789, 0.2979, 0.3184



14.4824, 0.1832, 0.1794



1.6276, 0.1883, 0.1980

Previews

White Background



This preview shows how the Yxy color 48.2271, 0.4652, 0.3987 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 48.2271, 0.4652, 0.3987 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 48.2271, 0.4652, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 48.2271, 0.4652, 0.3987.



This preview shows how white text looks on a background with the Yxy color 48.2271, 0.4652, 0.3987.

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

48.2271, 0.4652, 0.3987

Protanopia

48.4361, 0.3982, 0.4334

Deuteranopia

48.2659, 0.4336, 0.4243



Tritanopia

48.1640, 0.3988, 0.3187

Trichromacy



Original Color

48.2271, 0.4652, 0.3987

Protanomaly

47.9768, 0.4233, 0.4208

Deuteranomaly

48.0411, 0.4457, 0.4144

Tritanomaly

47.9497, 0.4251, 0.3492

Monochromacy



Original Color

48.2271, 0.4652, 0.3987

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 48.2271, 0.4652, 0.3987 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, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 92) }
```

Border

The CSS property to change the border of an element to Yxy 48.2271, 0.4652, 0.3987 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, 163, 92) }
```

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

```
.border{ border-color:rgb(255, 163, 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, 163, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2271, 0.4652, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 92) }
```

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

```
.background{ background-color: rgb(255,  
163, 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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