

Converting Colors

Yxy(61.9191, 0.4982, 0.3900)

Have a look what the booklet for
Yxy(61.9191, 0.4982, 0.3900)
contains.

Yxy(50.7648, 0.4603, 0.4063)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.7648, 0.4603, 0.4063)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA5B
RGB	255, 170, 91
RGB Percent	100%, 67%, 36%
CMY	0.0000, 0.3334, 0.6431
CMYK	0.00, 0.33, 0.64, 0.00
HSL	29°, 100%, 68%
HSV	29°, 64%, 100%
XYZ	57.5118, 50.7648, 16.6675
YIQ	186.4090, 76.0190, -6.5490

Conversions

Conversions Part 2

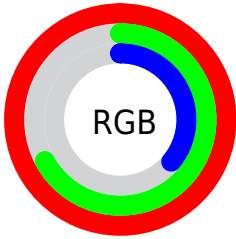
Format	Color
RYB	255, 243, 91
Decimal	16755291
CIELab	76.54, 24.04, 52.56
CIELCh	77, 57.795, 65.419
Yxy	50.7648, 0.4603, 0.4063
Android (android.graphics.Color)	4294945371 (0xFFFFAA5B)
YUV	186.4090, -47.0366, 60.1543
Hunter-Lab	71.2494, 19.3968, 36.0047

Details

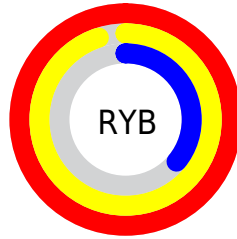
The Yxy color **50.7648, 0.4603, 0.4063** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.5045, 0.2119, 0.2265**, and the grayscale version is **49.5785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1240, 0.3899, 0.4108**, and **24.5794, 0.4942, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **45.6846, 0.4888, 0.4118**, and if you desaturate by 10%, it is **56.4867, 0.4317, 0.3971**.

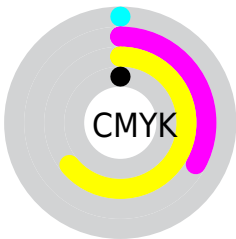
Distribution



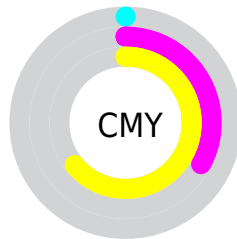
- Red (100%)
- Green (67%)
- Blue (36%)



- Red (100%)
- Yellow (95%)
- Blue (36%)



- Cyan (0%)
- Magenta (33%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7648, 0.4603, 0.4063 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 50.7648, 0.4603, 0.4063 by changing the saturation by 10% instead.


 50.7648, 0.4603,
0.4063

 50.7648, 0.4603,
0.4063


389.6493, 0.3897,
0.3746


 36.0215, 0.4760,
0.4116


 91.3070, 0.4359,
0.3967


 24.4508, 0.4948,
0.4168


 117.8747, 0.4263,
0.3925

 15.6683, 0.5172,
0.4211


 149.1526, 0.4181,
0.3887

 9.2898, 0.5440,
0.4228

 185.5251, 0.4109,
0.3853

 4.9307, 0.5790,
0.4210

227.3766, 0.4046,
0.3822

 2.2066, 0.6044,
0.3956

275.0916, 0.3990,

 0.7236, 0.6516,

0.3794

0.3484

329.0543, 0.3941,
0.3769

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.7648, 0.4603,
0.4063

50.7648, 0.4603,
0.4063

45.6846, 0.4888,
0.4118

56.4867, 0.4317,
0.3971

41.2247, 0.5153,
0.4122


62.8871, 0.4044,
0.3856

37.3475, 0.5379,
0.4071

69.9887, 0.3793,
0.3727

35.3789, 0.5491,
0.4022

77.8152, 0.3568,
0.3595

 86.3893, 0.3369,
0.3465

 95.7325, 0.3195,
0.3341

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.



50.7648, 0.4636, 0.3490



50.7648, 0.4603, 0.4063



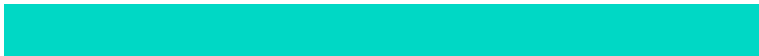
50.7648, 0.4152, 0.4553

Triad

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



50.7648, 0.4603, 0.4063



50.7648, 0.2127, 0.3571



50.7648, 0.2645, 0.2185

Complementary

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



50.7648, 0.4603, 0.4063



40.5045, 0.2119, 0.2265

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.



50.7648, 0.2092, 0.2113



50.7648, 0.4603, 0.4063



50.7648, 0.1821, 0.2793

Square

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



50.7648, 0.4603, 0.4063



50.7648, 0.2718, 0.4368



50.7648, 0.1814, 0.2300



50.7648, 0.3413, 0.2477

Rectangle

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



50.7648, 0.4603, 0.4063



50.7648, 0.3706, 0.4727



50.7648, 0.1814, 0.2300



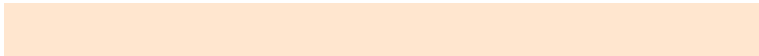
50.7648, 0.2432, 0.2135

Sweetspot

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



50.7617, 0.4603, 0.4063



82.2721, 0.3459, 0.3526



31.9780, 0.4057, 0.2445



17.0899, 0.3517, 0.3563



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.



50.7617, 0.4603, 0.4063



44.4247, 0.4962, 0.4124



90.0974, 0.4051, 0.4730



19.4307, 0.3282, 0.3405



18.7818, 0.5465, 0.4043



2.0461, 0.5282, 0.4188

Inverse Universe

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



40.5045, 0.2119, 0.2265



33.4322, 0.1965, 0.2023



17.8985, 0.1884, 0.1268



18.9356, 0.2979, 0.3173



12.7233, 0.1788, 0.1636



1.4577, 0.1843, 0.1836

Previews

White Background



This preview shows how the Yxy color 50.7648, 0.4603, 0.4063 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 50.7648, 0.4603, 0.4063 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 50.7648, 0.4603, 0.4063

Background



This preview shows how black text looks on a background with the Yxy color 50.7648, 0.4603, 0.4063.



This preview shows how white text looks on a background with the Yxy color 50.7648, 0.4603, 0.4063.

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

50.7648, 0.4603, 0.4063

Protanopia

50.8136, 0.4017, 0.4376

Deuteranopia

50.8562, 0.4358, 0.4258



Tritanopia

50.8669, 0.3894, 0.3187

Trichromacy



Original Color

50.7648, 0.4603, 0.4063

Protanomaly

50.4509, 0.4232, 0.4256

Deuteranomaly

50.6661, 0.4452, 0.4178

Tritanomaly

50.5461, 0.4177, 0.3524

Monochromacy



Original Color

50.7648, 0.4603, 0.4063

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.7258, 0.3650, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7648, 0.4603, 0.4063 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, 170, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 91)  
}
```

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, 170, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 91) }
```

Border

The CSS property to change the border of an element to Yxy 50.7648, 0.4603, 0.4063 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, 170, 91) }
```

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

```
.border{ border-color:rgb(255, 170, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7648, 0.4603, 0.4063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 91) }
```

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

```
.background{ background-color: rgb(255,  
170, 91) }
```

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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