

Converting Colors

$Y_{xy}(84.5519, 0.5377, 0.3579)$

Have a look what the booklet for
Yxy(84.5519, 0.5377, 0.3579)
contains.

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Color

Yxy(48.6021, 0.4497, 0.3821)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FFA36F |
| RGB | 255, 163, 111 |
| RGB Percent | 100%, 64%, 44% |
| CMY | 0.0001, 0.3607, 0.5648 |
| CMYK | 0.00, 0.36, 0.56, 0.00 |
| HSL | 22°, 100%, 72% |
| HSV | 22°, 56%, 100% |
| XYZ | 57.2006, 48.6021, 21.3946 |
| YIQ | 184.5800, 71.5240, 3.3320 |

Conversions

Conversions Part 2

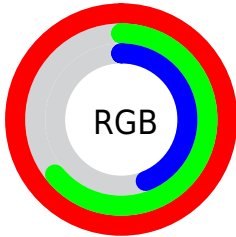
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 192, 111 |
| Decimal | 16753519 |
| CIE Lab | 75.20, 29.02, 40.97 |
| CIE LCh | 75, 50.212, 54.688 |
| Yxy | 48.6021, 0.4497, 0.3821 |
| Android (android.graphics.Color) | 4294943599 (0xFFFFA36F) |
| YUV | 184.5800, -36.2749, 61.7583 |
| Hunter-Lab | 69.7152, 24.4559, 30.6054 |

Details

The Yxy color **48.6021, 0.4497, 0.3821** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.2757, 0.2278, 0.2642**, and the grayscale version is **48.4458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0831, 0.3790, 0.3845**, and **23.1860, 0.4840, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **42.7054, 0.4839, 0.3878**, and if you desaturate by 10%, it is **55.4084, 0.4176, 0.3739**.

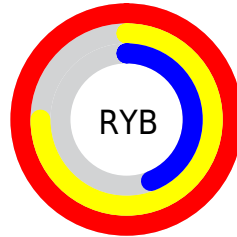
Distribution



Red (100%)

Green (64%)

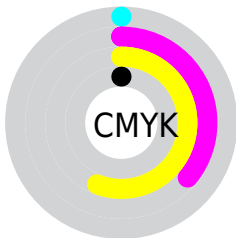
Blue (44%)



Red (100%)

Yellow (75%)

Blue (44%)

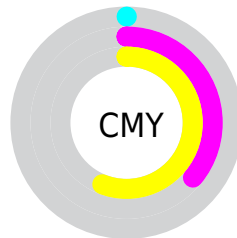


Cyan (0%)

Magenta (36%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6021, 0.4497, 0.3821 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 48.6021, 0.4497, 0.3821 by changing the saturation by 10% instead.


 48.6021, 0.4497,
0.3821


 48.6021, 0.4497,
0.3821


381.1738, 0.3822,
0.3604


 34.3039, 0.4656,
0.3857


 88.1002, 0.4257,
0.3755

 23.1272, 0.4853,
0.3893


 114.0689, 0.4166,
0.3726

 14.6875, 0.5100,
0.3923


 144.6966, 0.4087,
0.3701

 8.6003, 0.5411,
0.3930

 180.3677, 0.4019,
0.3677

 4.4814, 0.5903,
0.3944

221.4666, 0.3960,
0.3656

 1.9463, 0.6307,
0.3693

268.3776, 0.3909,

 0.5760, 0.6974,

0.3637

0.3026

321.4852, 0.3863,
0.3620

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.6021, 0.4497,
0.3821

48.6021, 0.4497,
0.3821

42.7054, 0.4839,
0.3878

55.4084, 0.4176,
0.3739

37.6688, 0.5182,
0.3897

63.1561, 0.3888,
0.3643

33.4482, 0.5498,
0.3866

71.8842, 0.3635,
0.3543

29.9910, 0.5757,
0.3783

81.6271, 0.3418,
0.3443

■ 28.9388, 0.5837,
0.3747

■ 92.4176, 0.3232,
0.3348

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



48.6021, 0.4361, 0.3300



48.6021, 0.4497, 0.3821



48.6021, 0.4226, 0.4292

Triad

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



48.6021, 0.4497, 0.3821



48.6021, 0.2406, 0.3807



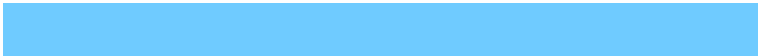
48.6021, 0.2497, 0.2248

Complementary

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



48.6021, 0.4497, 0.3821



53.2757, 0.2278, 0.2642

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.



48.6021, 0.2080, 0.2268



48.6021, 0.4497, 0.3821



48.6021, 0.2025, 0.3085

Square

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



48.6021, 0.4497, 0.3821



48.6021, 0.3005, 0.4398



48.6021, 0.1918, 0.2541



48.6021, 0.3129, 0.2445

Rectangle

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



48.6021, 0.4497, 0.3821



48.6021, 0.3878, 0.4503



48.6021, 0.1918, 0.2541



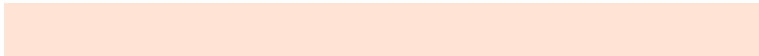
48.6021, 0.2331, 0.2228

Sweetspot

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



48.6046, 0.4497, 0.3821



81.1081, 0.3428, 0.3448



37.0056, 0.3699, 0.2365



16.9260, 0.3470, 0.3468



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.



48.6046, 0.4497, 0.3821



41.8921, 0.4892, 0.3884



80.8979, 0.4052, 0.4469



19.0617, 0.3285, 0.3376



15.3802, 0.5807, 0.3771



1.6961, 0.5591, 0.3942

Inverse Universe

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



53.2757, 0.2278, 0.2642



46.8395, 0.2141, 0.2481



27.2531, 0.2080, 0.1722



19.3124, 0.2980, 0.3202



17.7228, 0.1905, 0.2058



1.9331, 0.1948, 0.2214

Previews

White Background



This preview shows how the Yxy color 48.6021, 0.4497, 0.3821 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 48.6021, 0.4497, 0.3821 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 48.6021, 0.4497, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 48.6021, 0.4497, 0.3821.



This preview shows how white text looks on a background with the Yxy color 48.6021, 0.4497, 0.3821.

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

48.6021, 0.4497, 0.3821

Protanopia

49.0304, 0.3801, 0.4114

Deuteranopia

48.6957, 0.4168, 0.4077



Tritanopia

48.5783, 0.3965, 0.3177

Trichromacy



Original Color

48.6021, 0.4497, 0.3821

Protanomaly

48.4973, 0.4044, 0.4006

Deuteranomaly

48.6137, 0.4293, 0.3980

Tritanomaly

48.5397, 0.4167, 0.3419

Monochromacy



Original Color

48.6021, 0.4497, 0.3821

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.6145, 0.3589, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6021, 0.4497, 0.3821 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 111) }
```

Border

The CSS property to change the border of an element to Yxy 48.6021, 0.4497, 0.3821 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, 111) }
```

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

```
.border{ border-color:rgb(255, 163, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6021, 0.4497, 0.3821 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
163, 111) }
```

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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