

Converting Colors

$Y_{xy}(45.7822, 0.4519, 0.3696)$

Have a look what the booklet for
Yxy(45.7822, 0.4519, 0.3696)
contains.

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Color

Yxy(45.9405, 0.4516, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B73
RGB	255, 155, 115
RGB Percent	100%, 61%, 45%
CMY	0.0000, 0.3921, 0.5490
CMYK	0.00, 0.39, 0.55, 0.00
HSL	17°, 100%, 73%
HSV	17°, 55%, 100%
XYZ	56.0571, 45.9405, 22.1324
YIQ	180.3400, 72.4400, 8.7600

Conversions

Conversions Part 2

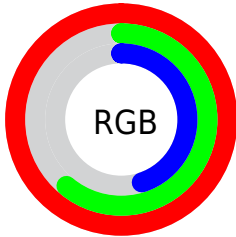
Format	Color
R_{YB}	255, 171, 115
Decimal	16751475
CIE _{Lab}	73.51, 33.50, 36.73
CIE _{LCh}	74, 49.713, 47.629
Yxy	45.9405, 0.4516, 0.3701
Android (android.graphics.Color)	4294941555 (0xFFFF9B73)
YUV	180.3400, -32.2126, 65.4768
Hunter-Lab	67.7794, 29.0148, 28.0853

Details

The Yxy color **45.9405, 0.4516, 0.3701** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.4639, 0.2327, 0.2800**, and the grayscale version is **45.9822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1803, 0.3788, 0.3726**, and **21.5632, 0.4885, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **39.8217, 0.4889, 0.3746**, and if you desaturate by 10%, it is **53.1392, 0.4173, 0.3635**.

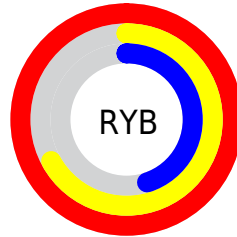
Distribution



Red (100%)

Green (61%)

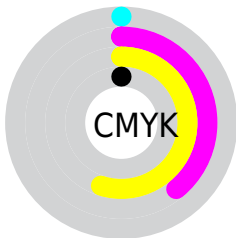
Blue (45%)



Red (100%)

Yellow (67%)

Blue (45%)

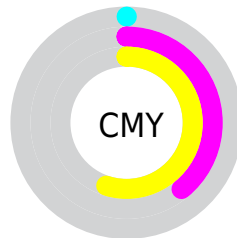


Cyan (0%)

Magenta (39%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9405, 0.4516, 0.3701 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 45.9405, 0.4516, 0.3701 by changing the saturation by 10% instead.


 45.9405, 0.4516,
0.3701

 45.9405, 0.4516,
0.3701


370.5694, 0.3821,
0.3540


 32.1989, 0.4684,
0.3725


 84.1299, 0.4267,
0.3654

 21.5134, 0.4893,
0.3746


 109.3465, 0.4172,
0.3633

 13.4998, 0.5161,
0.3757


 139.1569, 0.4091,
0.3614

 7.7736, 0.5506,
0.3740

173.9455, 0.4022,
0.3596

 3.9504, 0.6042,
0.3709

214.0966, 0.3962,
0.3580

 1.6459, 0.6572,
0.3428

259.9947, 0.3909,

 0.3882, 0.7610,

0.3566

0.2390

312.0242, 0.3862,
0.3552

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.9405, 0.4516,
0.3701

45.9405, 0.4516,
0.3701

39.8217, 0.4889,
0.3746

53.1392, 0.4173,
0.3635

34.7235, 0.5271,
0.3757

61.4634, 0.3870,
0.3558

30.5875, 0.5624,
0.3725

70.9619, 0.3610,
0.3478

27.3463, 0.5911,
0.3646

81.6790, 0.3391,
0.3400

■ 26.0073, 0.6029,
0.3595

■ 93.6566, 0.3206,
0.3325

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.



45.9405, 0.4277, 0.3179



45.9405, 0.4516, 0.3701



45.9405, 0.4330, 0.4198

Triad

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



45.9405, 0.4516, 0.3701



45.9405, 0.2526, 0.3979



45.9405, 0.2371, 0.2224

Complementary

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



45.9405, 0.4516, 0.3701



59.4639, 0.2327, 0.2800

Split Complementary

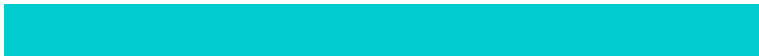
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9405, 0.2010, 0.2300



45.9405, 0.4516, 0.3701



45.9405, 0.2082, 0.3246

Square

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



45.9405, 0.4516, 0.3701



45.9405, 0.3162, 0.4491



45.9405, 0.1910, 0.2639



45.9405, 0.2965, 0.2374

Rectangle

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



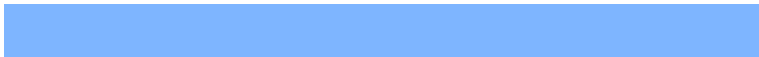
45.9405, 0.4516, 0.3701



45.9405, 0.4018, 0.4452



45.9405, 0.1910, 0.2639



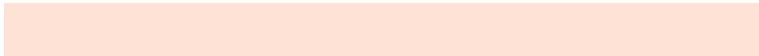
45.9405, 0.2222, 0.2222

Sweetspot

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



45.9421, 0.4516, 0.3701



80.4409, 0.3413, 0.3408



38.4452, 0.3575, 0.2303



16.7298, 0.3456, 0.3424



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.



45.9421, 0.4516, 0.3701



39.2127, 0.4932, 0.3749



76.1683, 0.4078, 0.4365



18.8322, 0.3287, 0.3359



13.8079, 0.6000, 0.3618



1.5213, 0.5779, 0.3793

Inverse Universe

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



59.4639, 0.2327, 0.2800



53.8137, 0.2204, 0.2681



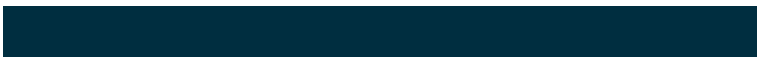
31.2180, 0.2135, 0.1889



19.5527, 0.2980, 0.3220



21.5509, 0.1981, 0.2330



2.2851, 0.2015, 0.2452

Previews

White Background



This preview shows how the Yxy color 45.9405, 0.4516, 0.3701 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 45.9405, 0.4516, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

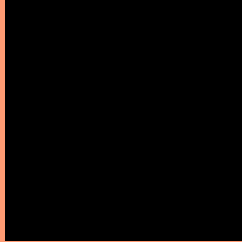
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9405, 0.4516, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 45.9405, 0.4516, 0.3701.



This preview shows how white text looks on a background with the Yxy color 45.9405, 0.4516, 0.3701.

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

45.9405, 0.4516, 0.3701

Protanopia

46.2642, 0.3728, 0.4012

Deuteranopia

46.0949, 0.4104, 0.4023



Tritanopia

45.9664, 0.4073, 0.3188

Trichromacy



Original Color

45.9405, 0.4516, 0.3701



Protanomaly

45.6372, 0.4006, 0.3904



Deuteranomaly

45.5981, 0.4262, 0.3899



Tritanomaly

45.7301, 0.4246, 0.3377

Monochromacy



Original Color

45.9405, 0.4516, 0.3701



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.7915, 0.3596, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9405, 0.4516, 0.3701 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, 155, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 115)  
}
```

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, 155, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 115) }
```

Border

The CSS property to change the border of an element to Yxy 45.9405, 0.4516, 0.3701 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, 155, 115) }
```

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

```
.border{ border-color:rgb(255, 155, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9405, 0.4516, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 115) }
```

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

```
.background{ background-color: rgb(255,  
155, 115) }
```

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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