

Converting Colors

$Y_{xy}(45.3057, 0.4520, 0.3671)$

Have a look what the booklet for
Yxy(45.3057, 0.4520, 0.3671)
contains.

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Color

Yxy(45.3034, 0.4520, 0.3671)

Conversions

Conversions Part 1

Format	Color
Hex	FF9974
RGB	255, 153, 116
RGB Percent	100%, 60%, 45%
CMY	0.0000, 0.3999, 0.5451
CMYK	0.00, 0.40, 0.55, 0.00
HSL	16°, 100%, 73%
HSV	16°, 55%, 100%
XYZ	55.7808, 45.3034, 22.3247
YIQ	179.2800, 72.6690, 10.1170

Conversions

Conversions Part 2

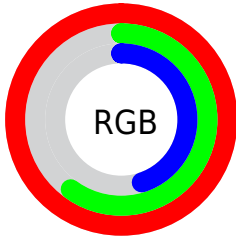
Format	Color
R _Y B	255, 166, 116
Decimal	16750964
CIE Lab	73.09, 34.60, 35.67
CIE LCh	73, 49.699, 45.870
Yxy	45.3034, 0.4520, 0.3671
Android (android.graphics.Color)	4294941044 (0xFFFF9974)
YUV	179.2800, -31.1970, 66.4064
Hunter-Lab	67.3078, 30.1418, 27.4501

Details

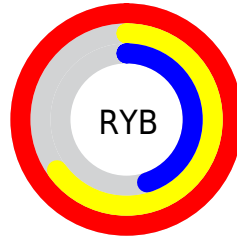
The Yxy color **45.3034, 0.4520, 0.3671** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.0593, 0.2339, 0.2839**, and the grayscale version is **45.3785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2363, 0.3787, 0.3695**, and **21.1819, 0.4895, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **39.1395, 0.4901, 0.3713**, and if you desaturate by 10%, it is **52.5948, 0.4171, 0.3609**.

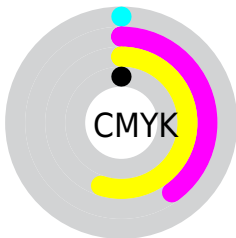
Distribution



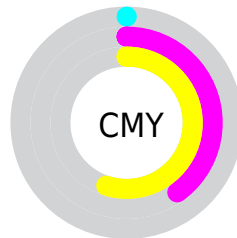
- Red (100%)
- Green (60%)
- Blue (45%)



- Red (100%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3034, 0.4520, 0.3671 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 45.3034, 0.4520, 0.3671 by changing the saturation by 10% instead.

 45.3034, 0.4520,
0.3671

 45.3034, 0.4520,
0.3671


368.0010, 0.3821,
0.3524


 31.6965, 0.4690,
0.3692


 83.1755, 0.4268,
0.3629

 21.1298, 0.4903,
0.3709


 108.2095, 0.4173,
0.3610

 13.2189, 0.5175,
0.3715


 137.8212, 0.4092,
0.3592

 7.5794, 0.5529,
0.3693

172.3952, 0.4022,
0.3576

 3.8270, 0.6075,
0.3649

212.3158, 0.3962,
0.3561

 1.5773, 0.6638,
0.3362

257.9673, 0.3909,

 0.3422, 0.7802,

0.3548

0.2198

309.7342, 0.3862,
0.3536

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.3034, 0.4520,
0.3671

45.3034, 0.4520,
0.3671

39.1395, 0.4901,
0.3713

52.5948, 0.4171,
0.3609

34.0380, 0.5292,
0.3722


61.0607, 0.3865,
0.3538

29.9371, 0.5654,
0.3690

70.7535, 0.3604,
0.3463

26.7646, 0.5947,
0.3613

81.7205, 0.3384,
0.3389

 25.3821, 0.6073,
0.3560

 94.0064, 0.3200,
0.3320

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



45.3034, 0.4255, 0.3149



45.3034, 0.4520, 0.3671



45.3034, 0.4356, 0.4175

Triad

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



45.3034, 0.4520, 0.3671



45.3034, 0.2557, 0.4022



45.3034, 0.2339, 0.2217

Complementary

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



45.3034, 0.4520, 0.3671



61.0593, 0.2339, 0.2839

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.



45.3034, 0.1993, 0.2308



45.3034, 0.4520, 0.3671



45.3034, 0.2097, 0.3287

Square

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



45.3034, 0.4520, 0.3671



45.3034, 0.3202, 0.4513



45.3034, 0.1908, 0.2664



45.3034, 0.2924, 0.2356

Rectangle

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



45.3034, 0.4520, 0.3671



45.3034, 0.4054, 0.4439



45.3034, 0.1908, 0.2664



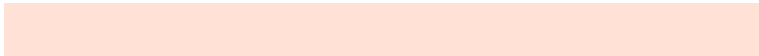
45.3034, 0.2195, 0.2220

Sweetspot

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



45.3057, 0.4520, 0.3671



80.0117, 0.3414, 0.3400



38.9274, 0.3522, 0.2269



16.6284, 0.3458, 0.3415



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.



45.3057, 0.4520, 0.3671



38.8690, 0.4920, 0.3714



73.8322, 0.4097, 0.4319



18.7738, 0.3288, 0.3354



13.4710, 0.6045, 0.3582



1.4819, 0.5826, 0.3756

Inverse Universe

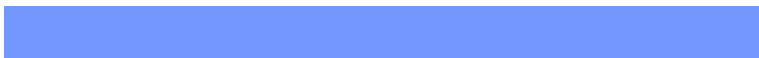
The Inverse Universe completely reimagines the original color for something new.



61.0593, 0.2339, 0.2839



55.8725, 0.2225, 0.2735



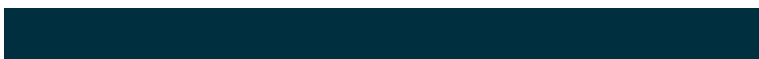
32.9821, 0.2155, 0.1960



19.6147, 0.2980, 0.3225



22.6204, 0.2000, 0.2399



2.3821, 0.2031, 0.2513

Previews

White Background



This preview shows how the Yxy color 45.3034, 0.4520, 0.3671 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 45.3034, 0.4520, 0.3671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

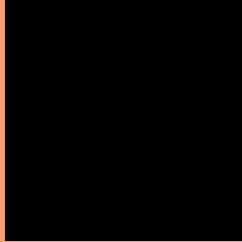
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3034, 0.4520, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 45.3034, 0.4520, 0.3671.



This preview shows how white text looks on a background with the Yxy color 45.3034, 0.4520, 0.3671.

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

45.3034, 0.4520, 0.3671

Protanopia

45.6442, 0.3697, 0.3979

Deuteranopia

45.4266, 0.4083, 0.4007



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3034, 0.4520, 0.3671

Protanomaly

44.7784, 0.3989, 0.3861

Deuteranomaly

45.0914, 0.4250, 0.3880

Tritanomaly

45.0559, 0.4267, 0.3367

Monochromacy



Original Color

45.3034, 0.4520, 0.3671

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.4151, 0.3599, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3034, 0.4520, 0.3671 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, 153, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 116)  
}
```

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, 153, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 116) }
```

Border

The CSS property to change the border of an element to Yxy 45.3034, 0.4520, 0.3671 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, 153, 116) }
```

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

```
.border{ border-color:rgb(255, 153, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3034, 0.4520, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 116) }
```

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

```
.background{ background-color: rgb(255,  
153, 116) }
```

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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