

Converting Colors

Yxy(56.9326, 0.4991, 0.3667)

Have a look what the booklet for
Yxy(56.9326, 0.4991, 0.3667)
contains.

Yxy(45.7642, 0.4589, 0.3776)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7642, 0.4589, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B6B
RGB	255, 155, 107
RGB Percent	100%, 61%, 42%
CMY	0.0000, 0.3921, 0.5803
CMYK	0.00, 0.39, 0.58, 0.00
HSL	19°, 100%, 71%
HSV	19°, 58%, 100%
XYZ	55.6176, 45.7642, 19.8158
YIQ	179.4280, 75.0080, 6.2720

Conversions

Conversions Part 2

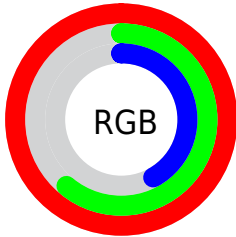
Format	Color
R_{YB}	255, 178, 107
Decimal	16751467
CIE _{Lab}	73.39, 32.90, 40.79
CIE _{LCh}	73, 52.400, 51.109
Yxy	45.7642, 0.4589, 0.3776
Android (android.graphics.Color)	4294941547 (0xFFFF9B6B)
YUV	179.4280, -35.7070, 66.2766
Hunter-Lab	67.6492, 28.3669, 29.9873

Details

The Yxy color **45.7642, 0.4589, 0.3776** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.9788, 0.2274, 0.2693**, and the grayscale version is **45.4850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8564, 0.3856, 0.3818**, and **21.4753, 0.4974, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **39.9733, 0.4950, 0.3820**, and if you desaturate by 10%, it is **52.5342, 0.4249, 0.3706**.

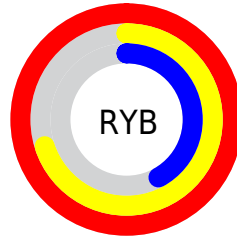
Distribution



Red (100%)

Green (61%)

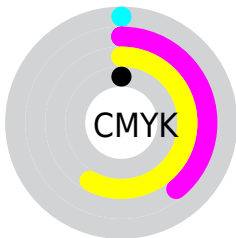
Blue (42%)



Red (100%)

Yellow (70%)

Blue (42%)

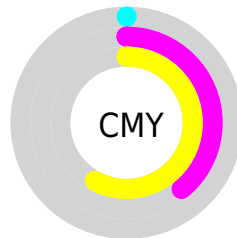


Cyan (0%)

Magenta (39%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7642, 0.4589, 0.3776 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 45.7642, 0.4589, 0.3776 by changing the saturation by 10% instead.


 45.7642, 0.4589,
0.3776

 45.7642, 0.4589,
0.3776


369.8598, 0.3861,
0.3585

 32.0598, 0.4762,
0.3804


 83.8660, 0.4329,
0.3720


 21.4072, 0.4977,
0.3829


 109.0322, 0.4230,
0.3695

 13.4220, 0.5247,
0.3841


 138.7877, 0.4145,
0.3672

 7.7197, 0.5590,
0.3822

 173.5170, 0.4073,
0.3652

 3.9161, 0.6179,
0.3821

213.6045, 0.4009,
0.3633

 1.6268, 0.6552,
0.3448

259.4345, 0.3954,

 0.3755, 0.7619,

0.3615

0.2381

311.3915, 0.3905,
0.3599

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.7642, 0.4589,
0.3776

45.7642, 0.4589,
0.3776

39.9733, 0.4950,
0.3820

52.5342, 0.4249,
0.3706

35.1089, 0.5309,
0.3825

60.3246, 0.3945,
0.3622

31.1185, 0.5633,
0.3781

69.1788, 0.3680,
0.3531

27.9390, 0.5890,
0.3689

79.1363, 0.3452,
0.3442

■ 27.3990, 0.5935,
0.3670

■ 90.2345, 0.3260,
0.3355

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.



45.7642, 0.4393, 0.3230



45.7642, 0.4589, 0.3776



45.7642, 0.4341, 0.4291

Triad

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



45.7642, 0.4589, 0.3776



45.7642, 0.2425, 0.3933



45.7642, 0.2393, 0.2181

Complementary

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



45.7642, 0.4589, 0.3776



54.9788, 0.2274, 0.2693

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.



45.7642, 0.1987, 0.2228



45.7642, 0.4589, 0.3776



45.7642, 0.1994, 0.3152

Square

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



45.7642, 0.4589, 0.3776



45.7642, 0.3076, 0.4526



45.7642, 0.1851, 0.2545



45.7642, 0.3038, 0.2364

Rectangle

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



45.7642, 0.4589, 0.3776



45.7642, 0.3990, 0.4546



45.7642, 0.1851, 0.2545



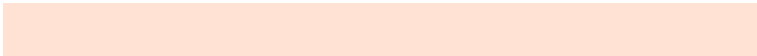
45.7642, 0.2228, 0.2169

Sweetspot

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



45.7654, 0.4589, 0.3776



80.2294, 0.3431, 0.3432



36.3395, 0.3665, 0.2300



16.7198, 0.3473, 0.3450



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.



45.7654, 0.4589, 0.3776



38.9448, 0.5022, 0.3824



77.7369, 0.4104, 0.4455



18.9487, 0.3286, 0.3368



14.5559, 0.5905, 0.3693



1.6060, 0.5685, 0.3868

Inverse Universe

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



54.9788, 0.2274, 0.2693



48.7631, 0.2142, 0.2544



27.4374, 0.2063, 0.1733



19.4301, 0.2980, 0.3211



19.5347, 0.1942, 0.2191



2.1007, 0.1981, 0.2331

Previews

White Background



This preview shows how the Yxy color 45.7642, 0.4589, 0.3776 looks on a white background.

Color Contrast Check

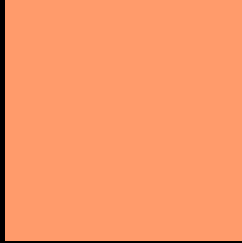
Large Text (above 18pt) WCAG AA × Fail

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 45.7642, 0.4589, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

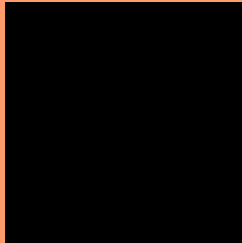
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7642, 0.4589, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 45.7642, 0.4589, 0.3776.



This preview shows how white text looks on a background with the Yxy color 45.7642, 0.4589, 0.3776.

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

45.7642, 0.4589, 0.3776

Protanopia

46.0679, 0.3793, 0.4111

Deuteranopia

45.7000, 0.4186, 0.4095



Tritanopia

45.6459, 0.4077, 0.3177

Trichromacy



Original Color

45.7642, 0.4589, 0.3776

Protanomaly

45.4490, 0.4075, 0.3996

Deuteranomaly

45.5956, 0.4340, 0.3978

Tritanomaly

45.6396, 0.4277, 0.3408

Monochromacy



Original Color

45.7642, 0.4589, 0.3776

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.3148, 0.3627, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7642, 0.4589, 0.3776 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 107) }
```

Border

The CSS property to change the border of an element to Yxy 45.7642, 0.4589, 0.3776 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, 107) }
```

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

```
.border{ border-color:rgb(255, 155, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7642, 0.4589, 0.3776 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, 107) }
```

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

```
.background{ background-color: rgb(255,  
155, 107) }
```

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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