

Converting Colors

$Y_{xy}(46.1257, 0.4523, 0.3651)$

Have a look what the booklet for
Yxy(46.1257, 0.4523, 0.3651)
contains.

Yxy(45.6792, 0.4494, 0.3662)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6792, 0.4494, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A76
RGB	255, 154, 118
RGB Percent	100%, 60%, 46%
CMY	0.0001, 0.3960, 0.5373
CMYK	0.00, 0.40, 0.54, 0.00
HSL	16°, 100%, 73%
HSV	16°, 54%, 100%
XYZ	56.0574, 45.6792, 23.0018
YIQ	180.0950, 71.7520, 10.2160

Conversions

Conversions Part 2

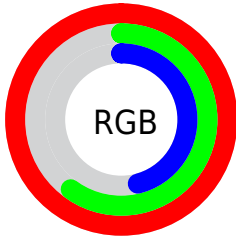
Format	Color
R _Y B	255, 167, 118
Decimal	16751222
CIE Lab	73.34, 34.24, 34.91
CIE LCh	73, 48.900, 45.562
Yxy	45.6792, 0.4494, 0.3662
Android (android.graphics.Color)	4294941302 (0xFFFF9A76)
YUV	180.0950, -30.6128, 65.6917
Hunter-Lab	67.5864, 29.7751, 27.1322

Details

The Yxy color **45.6792, 0.4494, 0.3662** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.7046, 0.2350, 0.2852**, and the grayscale version is **45.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8012, 0.3769, 0.3685**, and **21.4017, 0.4861, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **39.4289, 0.4875, 0.3705**, and if you desaturate by 10%, it is **53.0690, 0.4147, 0.3600**.

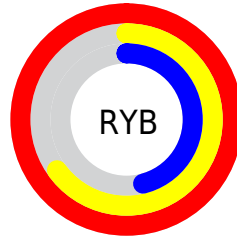
Distribution



Red (100%)

Green (60%)

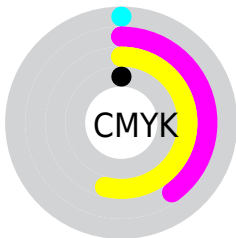
Blue (46%)



Red (100%)

Yellow (65%)

Blue (46%)

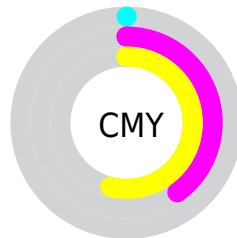


Cyan (0%)

Magenta (40%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6792, 0.4494, 0.3662 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 45.6792, 0.4494, 0.3662 by changing the saturation by 10% instead.

 45.6792, 0.4494,
0.3662


 45.6792, 0.4494,
0.3662


369.5174, 0.3808,
0.3518


 31.9927, 0.4661,
0.3683


 83.7387, 0.4247,
0.3621

 21.3560, 0.4870,
0.3701


 108.8805, 0.4153,
0.3602

 13.3844, 0.5138,
0.3708


 138.6096, 0.4074,
0.3584

 7.6938, 0.5488,
0.3689

173.3103, 0.4006,
0.3569

 3.8997, 0.6011,
0.3642

213.3670, 0.3946,
0.3554

 1.6176, 0.6611,
0.3389

259.1642, 0.3895,

 0.3694, 0.7699,

0.3541

0.2301

311.0862, 0.3849,
0.3529

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.6792, 0.4494,
0.3662

45.6792, 0.4494,
0.3662

39.4289, 0.4875,
0.3705

53.0690, 0.4147,
0.3600

34.2525, 0.5267,
0.3717


61.6454, 0.3844,
0.3529


30.0881, 0.5635,
0.3688

71.4613, 0.3586,
0.3455

26.8635, 0.5935,
0.3614

82.5642, 0.3368,
0.3383

 25.2755, 0.6080,
0.3554

 94.9991, 0.3187,
0.3314

99.9943, 0.3127,
0.3290

Harmonies

Analogous

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



45.6792, 0.4229, 0.3147



45.6792, 0.4494, 0.3662



45.6792, 0.4339, 0.4157

Triad

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



45.6792, 0.4494, 0.3662



45.6792, 0.2574, 0.4014



45.6792, 0.2348, 0.2234

Complementary

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



45.6792, 0.4494, 0.3662



61.7046, 0.2350, 0.2852

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.



45.6792, 0.2009, 0.2327



45.6792, 0.4494, 0.3662



45.6792, 0.2118, 0.3296

Square

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



45.6792, 0.4494, 0.3662



45.6792, 0.3209, 0.4491



45.6792, 0.1928, 0.2682



45.6792, 0.2921, 0.2369

Rectangle

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



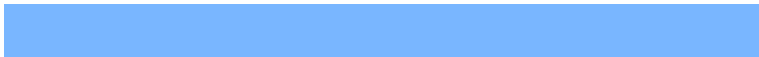
45.6792, 0.4494, 0.3662



45.6792, 0.4045, 0.4416



45.6792, 0.1928, 0.2682



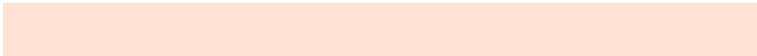
45.6792, 0.2207, 0.2238

Sweetspot

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



45.6815, 0.4494, 0.3662



79.9382, 0.3415, 0.3399



39.4173, 0.3515, 0.2282



16.6110, 0.3458, 0.3414



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.



45.6815, 0.4494, 0.3662



39.2798, 0.4886, 0.3706



74.1314, 0.4082, 0.4306



18.7638, 0.3288, 0.3353



13.4157, 0.6052, 0.3576



1.4753, 0.5834, 0.3750

Inverse Universe

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



61.7046, 0.2350, 0.2852



56.6108, 0.2236, 0.2752



33.6051, 0.2170, 0.1982



19.6254, 0.2980, 0.3226



22.8077, 0.2003, 0.2411



2.3990, 0.2034, 0.2523

Previews

White Background



This preview shows how the Yxy color 45.6792, 0.4494, 0.3662 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 45.6792, 0.4494, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

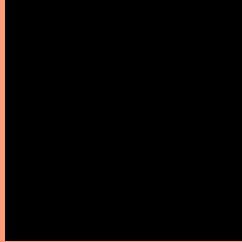
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6792, 0.4494, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 45.6792, 0.4494, 0.3662.



This preview shows how white text looks on a background with the Yxy color 45.6792, 0.4494, 0.3662.

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

45.6792, 0.4494, 0.3662

Protanopia

45.6968, 0.3680, 0.3954

Deuteranopia

45.6254, 0.4076, 0.3982



Tritanopia

45.6108, 0.4088, 0.3188

Trichromacy



Original Color

45.6792, 0.4494, 0.3662

Protanomaly

45.2054, 0.3966, 0.3849

Deuteranomaly

45.1370, 0.4232, 0.3859

Tritanomaly

45.4376, 0.4241, 0.3356

Monochromacy



Original Color

45.6792, 0.4494, 0.3662

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.8255, 0.3587, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6792, 0.4494, 0.3662 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, 154, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 118)  
}
```

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, 154, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 118) }
```

Border

The CSS property to change the border of an element to Yxy 45.6792, 0.4494, 0.3662 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, 154, 118) }
```

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

```
.border{ border-color:rgb(255, 154, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6792, 0.4494, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 118) }
```

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

```
.background{ background-color: rgb(255,  
154, 118) }
```

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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