

Converting Colors

$Y_{xy}(45.4620, 0.4512, 0.3670)$

Have a look what the booklet for
Yxy(45.4620, 0.4512, 0.3670)
contains.

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Color

Yxy(45.3268, 0.4511, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	FF9975
RGB	255, 153, 117
RGB Percent	100%, 60%, 46%
CMY	0.0000, 0.4000, 0.5412
CMYK	0.00, 0.40, 0.54, 0.00
HSL	16°, 100%, 73%
HSV	16°, 54%, 100%
XYZ	55.8506, 45.3268, 22.6324
YIQ	179.3940, 72.3480, 10.4280

Conversions

Conversions Part 2

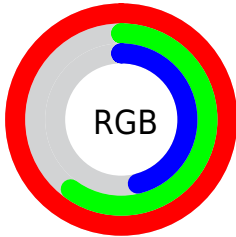
Format	Color
R_{YB}	255, 166, 117
Decimal	16750965
CIE _{Lab}	73.11, 34.71, 35.16
CIE _{LCh}	73, 49.408, 45.365
Yxy	45.3268, 0.4511, 0.3661
Android (android.graphics.Color)	4294941045 (0xFFFF9975)
YUV	179.3940, -30.7602, 66.3065
Hunter-Lab	67.3252, 30.2584, 27.1963

Details

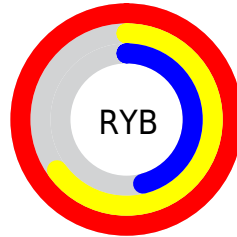
The Yxy color **45.3268, 0.4511, 0.3661** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.6669, 0.2346, 0.2852**, and the grayscale version is **45.4340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2740, 0.3780, 0.3685**, and **21.1940, 0.4883, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **39.1128, 0.4893, 0.3702**, and if you desaturate by 10%, it is **52.6712, 0.4162, 0.3600**.

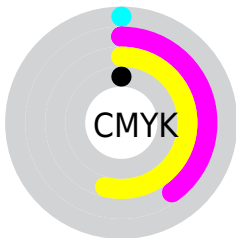
Distribution



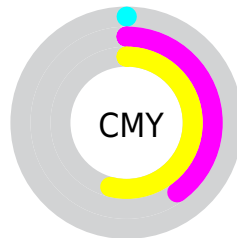
- Red (100%)
- Green (60%)
- Blue (46%)



- 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 45.3268, 0.4511, 0.3661 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 45.3268, 0.4511, 0.3661 by changing the saturation by 10% instead.

 45.3268, 0.4511,
0.3661


 45.3268, 0.4511,
0.3661


368.0955, 0.3816,
0.3518


 31.7149, 0.4680,
0.3681


 83.2106, 0.4261,
0.3620

 21.1438, 0.4892,
0.3698


 108.2513, 0.4166,
0.3602

 13.2292, 0.5164,
0.3703


 137.8704, 0.4085,
0.3585

 7.5866, 0.5518,
0.3681

172.4522, 0.4016,
0.3569

 3.8316, 0.6056,
0.3633

212.3813, 0.3956,
0.3554

 1.5798, 0.6642,
0.3358

258.0419, 0.3903,

 0.3439, 0.7801,

0.3541

0.2199

309.8185, 0.3857,
0.3529

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.3268, 0.4511,
0.3661

45.3268, 0.4511,
0.3661

39.1128, 0.4893,
0.3702

52.6712, 0.4162,
0.3600

33.9812, 0.5286,
0.3713


61.2121, 0.3856,
0.3530


29.8632, 0.5653,
0.3681

70.9966, 0.3596,
0.3456

26.6856, 0.5950,
0.3607

82.0729, 0.3376,
0.3385

 25.2163, 0.6085,
0.3550

 94.4863, 0.3193,
0.3317

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.



45.3268, 0.4240, 0.3141



45.3268, 0.4511, 0.3661



45.3268, 0.4355, 0.4163

Triad

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



45.3268, 0.4511, 0.3661



45.3268, 0.2570, 0.4029



45.3268, 0.2336, 0.2223

Complementary

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



45.3268, 0.4511, 0.3661



61.6669, 0.2346, 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.



45.3268, 0.1995, 0.2317



45.3268, 0.4511, 0.3661



45.3268, 0.2108, 0.3300

Square

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



45.3268, 0.4511, 0.3661



45.3268, 0.3213, 0.4509



45.3268, 0.1915, 0.2677



45.3268, 0.2914, 0.2357

Rectangle

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



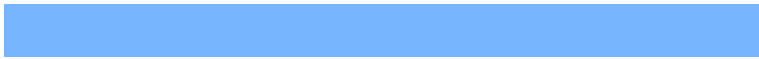
45.3268, 0.4511, 0.3661



45.3268, 0.4058, 0.4427



45.3268, 0.1915, 0.2677



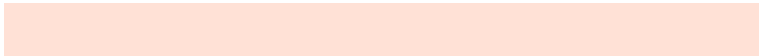
45.3268, 0.2194, 0.2227

Sweetspot

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



45.3230, 0.4511, 0.3661



79.8901, 0.3415, 0.3398



39.1748, 0.3519, 0.2275



16.5996, 0.3458, 0.3413



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.



45.3230, 0.4511, 0.3661



38.6189, 0.4928, 0.3705



73.9926, 0.4090, 0.4312



18.7572, 0.3288, 0.3353



13.3800, 0.6057, 0.3573



1.4711, 0.5839, 0.3746

Inverse Universe

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



61.6669, 0.2346, 0.2852



56.3275, 0.2227, 0.2747



33.2944, 0.2162, 0.1971



19.6324, 0.2980, 0.3227



22.9309, 0.2005, 0.2419



2.4102, 0.2036, 0.2530

Previews

White Background



This preview shows how the Yxy color 45.3268, 0.4511, 0.3661 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 45.3268, 0.4511, 0.3661 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 45.3268, 0.4511, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 45.3268, 0.4511, 0.3661.



This preview shows how white text looks on a background with the Yxy color 45.3268, 0.4511, 0.3661.

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

45.3268, 0.4511, 0.3661

Protanopia

45.6704, 0.3688, 0.3967

Deuteranopia

45.4490, 0.4075, 0.3996



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3268, 0.4511, 0.3661

Protanomaly

44.8036, 0.3980, 0.3849

Deuteranomaly

45.1141, 0.4241, 0.3870

Tritanomaly

45.0863, 0.4256, 0.3356

Monochromacy



Original Color

45.3268, 0.4511, 0.3661

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 45.3268, 0.4511, 0.3661 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 117) }
```

Border

The CSS property to change the border of an element to Yxy 45.3268, 0.4511, 0.3661 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, 117) }
```

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

```
.border{ border-color:rgb(255, 153, 117) }
```

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, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3268, 0.4511, 0.3661 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
153, 117) }
```

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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