

Converting Colors

$Y_{xy}(45.8086, 0.4457, 0.3626)$

Have a look what the booklet for
Yxy(45.8086, 0.4457, 0.3626)
contains.

Yxy(45.7763, 0.4456, 0.3623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.7763, 0.4456, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A7A
RGB	255, 154, 122
RGB Percent	100%, 60%, 48%
CMY	0.0001, 0.3960, 0.5217
CMYK	0.00, 0.40, 0.52, 0.00
HSL	14°, 100%, 74%
HSV	14°, 52%, 100%
XYZ	56.3012, 45.7763, 24.2717
YIQ	180.5510, 70.4680, 11.4600

Conversions

Conversions Part 2

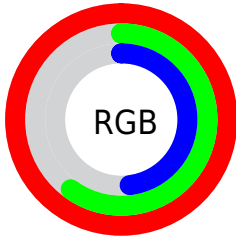
Format	Color
R _Y B	255, 164, 122
Decimal	16751226
CIE Lab	73.40, 34.57, 32.87
CIE LCh	73, 47.704, 43.556
Yxy	45.7763, 0.4456, 0.3623
Android (android.graphics.Color)	4294941306 (0xFFFF9A7A)
YUV	180.5510, -28.8656, 65.2918
Hunter-Lab	67.6582, 30.1354, 26.0911

Details

The Yxy color **45.7763, 0.4456, 0.3623** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.0924, 0.2376, 0.2904**, and the grayscale version is **46.0845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9561, 0.3738, 0.3643**, and **21.4531, 0.4812, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **39.3445, 0.4842, 0.3665**, and if you desaturate by 10%, it is **53.4086, 0.4108, 0.3565**.

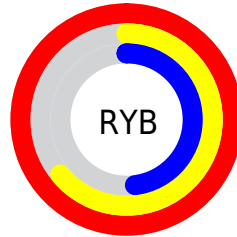
Distribution



Red (100%)

Green (60%)

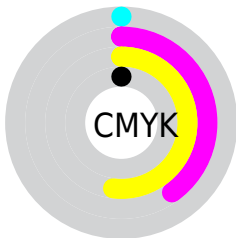
Blue (48%)



Red (100%)

Yellow (64%)

Blue (48%)

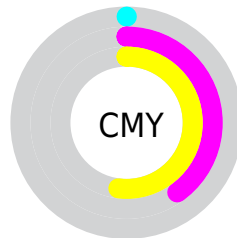


Cyan (0%)

Magenta (40%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7763, 0.4456, 0.3623 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 45.7763, 0.4456, 0.3623 by changing the saturation by 10% instead.


 45.7763, 0.4456,
0.3623


 45.7763, 0.4456,
0.3623

369.9086, 0.3788,
0.3495


 32.0693, 0.4619,
0.3641


 83.8841, 0.4215,
0.3586

 21.4145, 0.4825,
0.3656


 109.0537, 0.4124,
0.3570

 13.4273, 0.5090,
0.3662


 138.8131, 0.4046,
0.3554

 7.7234, 0.5438,
0.3643

173.5464, 0.3980,
0.3540

 3.9185, 0.5938,
0.3584

213.6383, 0.3922,
0.3528

 1.6281, 0.6621,
0.3379

259.4730, 0.3872,

 0.3764, 0.7693,

0.3516

0.2307

311.4350, 0.3827,
0.3505

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.7763, 0.4456,
0.3623

45.7763, 0.4456,
0.3623

39.3445, 0.4842,
0.3665

53.4086, 0.4108,
0.3565

34.0436, 0.5244,
0.3678

62.2923, 0.3807,
0.3499

29.8074, 0.5627,
0.3654

72.4834, 0.3552,
0.3431

26.5590, 0.5943,
0.3588

84.0329, 0.3339,
0.3365

■ 24.6402, 0.6127,
0.3517

■ 96.9886, 0.3161,
0.3303

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



45.7763, 0.4170, 0.3120



45.7763, 0.4456, 0.3623



45.7763, 0.4333, 0.4111

Triad

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



45.7763, 0.4456, 0.3623



45.7763, 0.2626, 0.4036



45.7763, 0.2336, 0.2256

Complementary

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



45.7763, 0.4456, 0.3623



64.0924, 0.2376, 0.2904

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.



45.7763, 0.2020, 0.2365



45.7763, 0.4456, 0.3623



45.7763, 0.2163, 0.3344

Square

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



45.7763, 0.4456, 0.3623



45.7763, 0.3254, 0.4473



45.7763, 0.1958, 0.2731



45.7763, 0.2884, 0.2374

Rectangle

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



45.7763, 0.4456, 0.3623



45.7763, 0.4059, 0.4370



45.7763, 0.1958, 0.2731



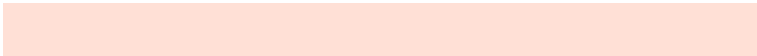
45.7763, 0.2203, 0.2265

Sweetspot

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



45.7786, 0.4456, 0.3623



79.4532, 0.3416, 0.3390



40.5472, 0.3477, 0.2288



16.4965, 0.3460, 0.3403



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.



45.7786, 0.4456, 0.3623



38.8657, 0.4875, 0.3667



73.5900, 0.4065, 0.4261



18.6976, 0.3288, 0.3348



13.0692, 0.6100, 0.3539



1.4336, 0.5885, 0.3710

Inverse Universe

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



64.0924, 0.2376, 0.2904



58.8792, 0.2257, 0.2808



35.6179, 0.2205, 0.2056



19.6961, 0.2980, 0.3231



24.0747, 0.2025, 0.2489



2.5132, 0.2053, 0.2592

Previews

White Background



This preview shows how the Yxy color 45.7763, 0.4456, 0.3623 looks on a white background.

Color Contrast Check

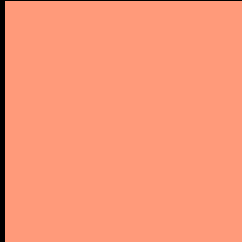
Large Text (above 18pt) WCAG AA × Fail

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 45.7763, 0.4456, 0.3623 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 45.7763, 0.4456, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 45.7763, 0.4456, 0.3623.



This preview shows how white text looks on a background with the Yxy color 45.7763, 0.4456, 0.3623.

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

45.7763, 0.4456, 0.3623

Protanopia

46.2105, 0.3643, 0.3914

Deuteranopia

45.9469, 0.4026, 0.3950



Tritanopia

45.6459, 0.4077, 0.3177

Trichromacy



Original Color

45.7763, 0.4456, 0.3623



Protanomaly

45.3097, 0.3930, 0.3801



Deuteranomaly

45.5933, 0.4190, 0.3827



Tritanomaly

45.4998, 0.4220, 0.3335

Monochromacy



Original Color

45.7763, 0.4456, 0.3623



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

45.0738, 0.3569, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7763, 0.4456, 0.3623 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 122) }
```

Border

The CSS property to change the border of an element to Yxy 45.7763, 0.4456, 0.3623 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, 122) }
```

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

```
.border{ border-color:rgb(255, 154, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7763, 0.4456, 0.3623 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
154, 122) }
```

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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