

Converting Colors

$Y_{xy}(44.6851, 0.4564, 0.3687)$

Have a look what the booklet for
Yxy(44.6851, 0.4564, 0.3687)
contains.

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Color

Yxy(44.5855, 0.4562, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	FF9771
RGB	255, 151, 113
RGB Percent	100%, 59%, 44%
CMY	0.0000, 0.4078, 0.5568
CMYK	0.00, 0.41, 0.56, 0.00
HSL	16°, 100%, 72%
HSV	16°, 56%, 100%
XYZ	55.2865, 44.5855, 21.3172
YIQ	177.7640, 74.1820, 10.2300

Conversions

Conversions Part 2

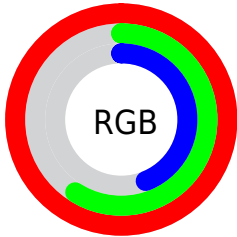
Format	Color
R _Y B	255, 165, 113
Decimal	16750449
CIE Lab	72.62, 35.40, 36.66
CIE LCh	73, 50.963, 45.997
Yxy	44.5855, 0.4562, 0.3679
Android (android.graphics.Color)	4294940529 (0xFFFF9771)
YUV	177.7640, -31.9287, 67.7360
Hunter-Lab	66.7724, 30.9436, 27.8122

Details

The Yxy color **44.5855, 0.4562, 0.3679** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.3547, 0.2325, 0.2825**, and the grayscale version is **44.5341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1192, 0.3825, 0.3717**, and **20.7632, 0.4953, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **38.5489, 0.4945, 0.3718**, and if you desaturate by 10%, it is **51.7401, 0.4209, 0.3619**.

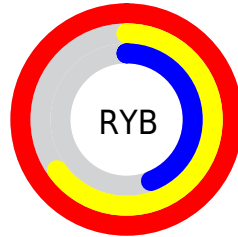
Distribution



Red (100%)

Green (59%)

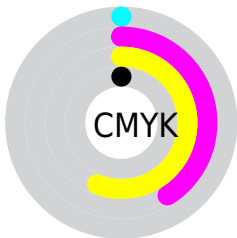
Blue (44%)



Red (100%)

Yellow (65%)

Blue (44%)

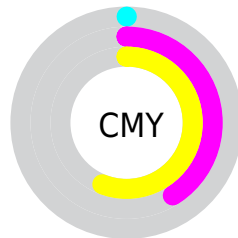


Cyan (0%)

Magenta (41%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5855, 0.4562, 0.3679 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 44.5855, 0.4562, 0.3679 by changing the saturation by 10% instead.

 44.5855, 0.4562,
0.3679


 44.5855, 0.4562,
0.3679


365.0922, 0.3841,
0.3531


 31.1311, 0.4737,
0.3699


 82.0981, 0.4302,
0.3637

 20.6987, 0.4956,
0.3714


 106.9250, 0.4204,
0.3618

 12.9039, 0.5236,
0.3717


 136.3115, 0.4120,
0.3600

 7.3624, 0.5598,
0.3687

 170.6420, 0.4048,
0.3584

 3.6898, 0.6188,
0.3650

210.3010, 0.3986,
0.3569

 1.5016, 0.6696,
0.3304

255.6727, 0.3931,

 0.2898, 0.8023,

0.3555

0.1977

307.1417, 0.3883,
0.3542

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

44.5855, 0.4562,
0.3679

44.5855, 0.4562,
0.3679

38.5489, 0.4945,
0.3718

51.7401, 0.4209,
0.3619

33.5649, 0.5334,
0.3723

60.0600, 0.3898,
0.3548

29.5712, 0.5690,
0.3685

69.5978, 0.3632,
0.3472

26.4948, 0.5972,
0.3604

80.4008, 0.3408,
0.3398

■ 25.4230, 0.6070,
0.3562

■ 92.5138, 0.3220,
0.3328

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



44.5855, 0.4292, 0.3144



44.5855, 0.4562, 0.3679



44.5855, 0.4389, 0.4197

Triad

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



44.5855, 0.4562, 0.3679



44.5855, 0.2536, 0.4044



44.5855, 0.2319, 0.2190

Complementary

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



44.5855, 0.4562, 0.3679



60.3547, 0.2325, 0.2825

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.



44.5855, 0.1964, 0.2280



44.5855, 0.4562, 0.3679



44.5855, 0.2066, 0.3282

Square

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



44.5855, 0.4562, 0.3679



44.5855, 0.3198, 0.4554



44.5855, 0.1875, 0.2642



44.5855, 0.2919, 0.2333

Rectangle

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



44.5855, 0.4562, 0.3679



44.5855, 0.4075, 0.4472



44.5855, 0.1875, 0.2642



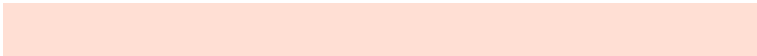
44.5855, 0.2172, 0.2192

Sweetspot

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



44.5878, 0.4562, 0.3679



78.9058, 0.3435, 0.3408



38.0882, 0.3559, 0.2271



16.4097, 0.3478, 0.3423



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.



44.5878, 0.4562, 0.3679



37.8343, 0.4997, 0.3721



74.6227, 0.4105, 0.4357



18.7777, 0.3288, 0.3354



13.4926, 0.6042, 0.3585



1.4844, 0.5823, 0.3759

Inverse Universe

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



60.3547, 0.2325, 0.2825



54.8480, 0.2204, 0.2711



31.3319, 0.2127, 0.1896



19.6106, 0.2980, 0.3225



22.5481, 0.1999, 0.2395



2.3756, 0.2030, 0.2509

Previews

White Background



This preview shows how the Yxy color 44.5855, 0.4562, 0.3679 looks on a white background.

Color Contrast Check

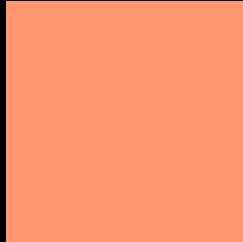
Large Text (above 18pt) WCAG AA × Fail

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 44.5855, 0.4562, 0.3679 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 44.5855, 0.4562, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 44.5855, 0.4562, 0.3679.



This preview shows how white text looks on a background with the Yxy color 44.5855, 0.4562, 0.3679.

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

44.5855, 0.4562, 0.3679

Protanopia

44.6335, 0.3721, 0.3997

Deuteranopia

44.8289, 0.4105, 0.4032



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.5855, 0.4562, 0.3679

Protanomaly

43.9603, 0.4027, 0.3873

Deuteranomaly

44.4997, 0.4274, 0.3904

Tritanomaly

44.3629, 0.4298, 0.3366

Monochromacy



Original Color

44.5855, 0.4562, 0.3679

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.4602, 0.3614, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5855, 0.4562, 0.3679 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, 151, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 113)  
}
```

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, 151, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 113) }
```

Border

The CSS property to change the border of an element to Yxy 44.5855, 0.4562, 0.3679 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, 151, 113) }
```

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

```
.border{ border-color:rgb(255, 151, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5855, 0.4562, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 113) }
```

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

```
.background{ background-color: rgb(255,  
151, 113) }
```

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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