

Converting Colors

$Y_{xy}(62.7860, 0.5231, 0.3610)$

Have a look what the booklet for
Yxy(62.7860, 0.5231, 0.3610)
contains.

Yxy(44.0520, 0.4662, 0.3762)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.0520, 0.4662, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	FF9667
RGB	255, 150, 103
RGB Percent	100%, 59%, 40%
CMY	0.0000, 0.4117, 0.5961
CMYK	0.00, 0.41, 0.60, 0.00
HSL	19°, 100%, 70%
HSV	19°, 60%, 100%
XYZ	54.5908, 44.0520, 18.4545
YIQ	176.0370, 77.6670, 7.6430

Conversions

Conversions Part 2

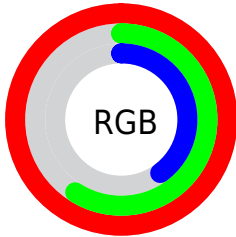
Format	Color
R _Y B	255, 171, 103
Decimal	16750183
CIE Lab	72.26, 35.18, 41.50
CIE LCh	72, 54.399, 49.713
Yxy	44.0520, 0.4662, 0.3762
Android (android.graphics.Color)	4294940263 (0xFFFF9667)
YUV	176.0370, -36.0072, 69.2506
Hunter-Lab	66.3717, 30.6659, 29.9747

Details

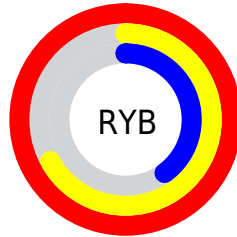
The Yxy color **44.0520, 0.4662, 0.3762** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.1953, 0.2262, 0.2703**, and the grayscale version is **43.5988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2892, 0.3906, 0.3809**, and **20.4710, 0.5075, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **38.4131, 0.5032, 0.3797**, and if you desaturate by 10%, it is **50.6961, 0.4312, 0.3699**.

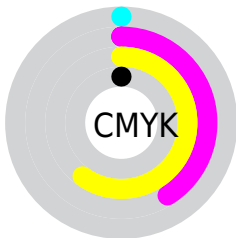
Distribution



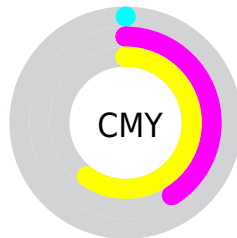
- Red (100%)
- Green (59%)
- Blue (40%)



- Red (100%)
- Yellow (67%)
- Blue (40%)



- Cyan (0%)
- Magenta (41%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0520, 0.4662, 0.3762 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 44.0520, 0.4662, 0.3762 by changing the saturation by 10% instead.


 44.0520, 0.4662,
0.3762

 44.0520, 0.4662,
0.3762


362.9204, 0.3894,
0.3582


 30.7114, 0.4845,
0.3786

 81.2960, 0.4387,
0.3712


 20.3792, 0.5073,
0.3803


 105.9681, 0.4283,
0.3688

 12.6710, 0.5358,
0.3804


 135.1863, 0.4193,
0.3667

 7.2024, 0.5718,
0.3765

 169.3348, 0.4117,
0.3646

 3.5890, 0.6293,
0.3707

208.7981, 0.4050,
0.3628

 1.4464, 0.6704,
0.3296

253.9605, 0.3991,

 0.2506, 0.8176,

0.3611

0.1824

305.2065, 0.3940,
0.3596

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

44.0520, 0.4662,
0.3762

44.0520, 0.4662,
0.3762

38.4131, 0.5032,
0.3797

50.6961, 0.4312,
0.3699

33.7204, 0.5394,
0.3793

58.3866, 0.3997,
0.3620

29.9182, 0.5714,
0.3739

67.1706, 0.3722,
0.3534

26.9352, 0.5963,
0.3644

77.0901, 0.3487,
0.3448

■ 26.8335, 0.5972,
0.3640

■ 88.1847, 0.3289,
0.3365

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



44.0520, 0.4437, 0.3196



44.0520, 0.4662, 0.3762



44.0520, 0.4415, 0.4307

Triad

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



44.0520, 0.4662, 0.3762



44.0520, 0.2416, 0.4006



44.0520, 0.2332, 0.2130

Complementary

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



44.0520, 0.4662, 0.3762



55.1953, 0.2262, 0.2703

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.



44.0520, 0.1925, 0.2189



44.0520, 0.4662, 0.3762



44.0520, 0.1957, 0.3177

Square

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



44.0520, 0.4662, 0.3762



44.0520, 0.3102, 0.4615



44.0520, 0.1796, 0.2528



44.0520, 0.2996, 0.2310

Rectangle

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



44.0520, 0.4662, 0.3762



44.0520, 0.4054, 0.4589



44.0520, 0.1796, 0.2528



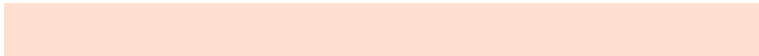
44.0520, 0.2166, 0.2121

Sweetspot

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



44.0543, 0.4662, 0.3762



78.8046, 0.3453, 0.3434



35.5788, 0.3657, 0.2257



16.2122, 0.3516, 0.3459



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.



44.0543, 0.4662, 0.3762



37.2114, 0.5120, 0.3800



75.8645, 0.4144, 0.4460



18.9037, 0.3287, 0.3364



14.2542, 0.5943, 0.3664



1.5722, 0.5722, 0.3839

Inverse Universe

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



55.1953, 0.2262, 0.2703



49.0531, 0.2132, 0.2556



26.9840, 0.2041, 0.1717



19.4774, 0.2980, 0.3215



20.2969, 0.1957, 0.2245



2.1707, 0.1994, 0.2378

Previews

White Background



This preview shows how the Yxy color 44.0520, 0.4662, 0.3762 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 44.0520, 0.4662, 0.3762 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 44.0520, 0.4662, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 44.0520, 0.4662, 0.3762.



This preview shows how white text looks on a background with the Yxy color 44.0520, 0.4662, 0.3762.

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

44.0520, 0.4662, 0.3762

Protanopia

44.3705, 0.3811, 0.4135

Deuteranopia

44.0285, 0.4210, 0.4114



Tritanopia

44.1843, 0.4158, 0.3199

Trichromacy



Original Color

44.0520, 0.4662, 0.3762



Protanomaly

43.7083, 0.4124, 0.3998



Deuteranomaly

43.7497, 0.4384, 0.3981



Tritanomaly

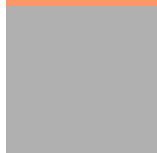
43.9050, 0.4356, 0.3408

Monochromacy



Original Color

44.0520, 0.4662, 0.3762



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

42.7865, 0.3654, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0520, 0.4662, 0.3762 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, 150, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 103)  
}
```

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, 150, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 103) }
```

Border

The CSS property to change the border of an element to Yxy 44.0520, 0.4662, 0.3762 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, 150, 103) }
```

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

```
.border{ border-color:rgb(255, 150, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0520, 0.4662, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 103) }
```

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

```
.background{ background-color: rgb(255,  
150, 103) }
```

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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