

Converting Colors

$Y_{xy}(49.5193, 0.4406, 0.3757)$

Have a look what the booklet for
Yxy(49.5193, 0.4406, 0.3757)
contains.

Yxy(49.5263, 0.4404, 0.3755)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.5263, 0.4404, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	FFA578
RGB	255, 165, 120
RGB Percent	100%, 65%, 47%
CMY	0.0000, 0.3529, 0.5292
CMYK	0.00, 0.35, 0.53, 0.00
HSL	20°, 100%, 74%
HSV	20°, 53%, 100%
XYZ	58.0862, 49.5263, 24.2817
YIQ	186.7800, 68.0850, 5.0850

Conversions

Conversions Part 2

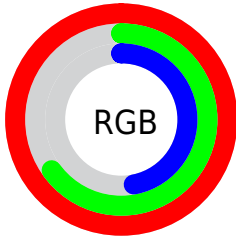
Format	Color
R _Y B	255, 188, 120
Decimal	16754040
CIE Lab	75.78, 28.72, 36.95
CIE LCh	76, 46.799, 52.150
Yxy	49.5263, 0.4404, 0.3755
Android (android.graphics.Color)	4294944120 (0xFFFFA578)
YUV	186.7800, -32.9225, 59.8289
Hunter-Lab	70.3749, 24.1747, 28.8054

Details

The Yxy color **49.5263, 0.4404, 0.3755** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.3269, 0.2335, 0.2739**, and the grayscale version is **49.7273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9900, 0.3715, 0.3783**, and **23.6326, 0.4755, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **43.2576, 0.4752, 0.3816**, and if you desaturate by 10%, it is **56.7804, 0.4084, 0.3674**.

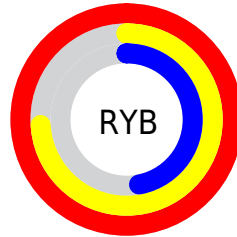
Distribution



Red (100%)

Green (65%)

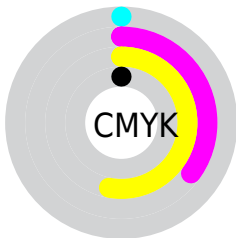
Blue (47%)



Red (100%)

Yellow (74%)

Blue (47%)

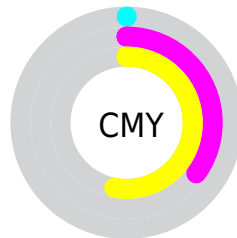


Cyan (0%)

Magenta (35%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5263, 0.4404, 0.3755 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 49.5263, 0.4404, 0.3755 by changing the saturation by 10% instead.


 49.5263, 0.4404,
0.3755


 49.5263, 0.4404,
0.3755


384.8106, 0.3773,
0.3564

 35.0372, 0.4554,
0.3788


 89.4726, 0.4179,
0.3696

 23.6915, 0.4741,
0.3822


 115.6986, 0.4093,
0.3671

 15.1049, 0.4979,
0.3853


 146.6056, 0.4020,
0.3648

 8.8931, 0.5285,
0.3867

182.5781, 0.3957,
0.3627

 4.6715, 0.5712,
0.3856

224.0005, 0.3902,
0.3609

 2.0558, 0.6272,
0.3728

271.2571, 0.3854,

 0.6396, 0.6865,

0.3592

0.3135

324.7323, 0.3811,
0.3577

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.5263, 0.4404,
0.3755

49.5263, 0.4404,
0.3755

43.2576, 0.4752,
0.3816

56.7804, 0.4084,
0.3674

37.9214, 0.5112,
0.3844

65.0546, 0.3802,
0.3583

33.4708, 0.5454,
0.3827

74.3907, 0.3558,
0.3490

29.8504, 0.5746,
0.3759

84.8260, 0.3350,
0.3400

■ 27.7489, 0.5912,
0.3688

■ 96.3959, 0.3173,
0.3314

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.



49.5263, 0.4240, 0.3266



49.5263, 0.4404, 0.3755



49.5263, 0.4187, 0.4198

Triad

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



49.5263, 0.4404, 0.3755



49.5263, 0.2500, 0.3823



49.5263, 0.2500, 0.2307

Complementary

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



49.5263, 0.4404, 0.3755



57.3269, 0.2335, 0.2739

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.



49.5263, 0.2125, 0.2348



49.5263, 0.4404, 0.3755



49.5263, 0.2119, 0.3158

Square

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



49.5263, 0.4404, 0.3755



49.5263, 0.3072, 0.4338



49.5263, 0.1994, 0.2630



49.5263, 0.3077, 0.2476

Rectangle

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



49.5263, 0.4404, 0.3755



49.5263, 0.3878, 0.4401



49.5263, 0.1994, 0.2630



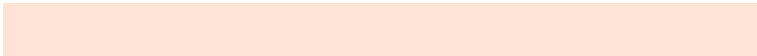
49.5263, 0.2349, 0.2296

Sweetspot

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



49.5288, 0.4404, 0.3755



81.4982, 0.3410, 0.3427



39.4699, 0.3601, 0.2374



16.9798, 0.3452, 0.3446



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.



49.5288, 0.4404, 0.3755



42.6400, 0.4791, 0.3821



79.3517, 0.4020, 0.4369



18.9757, 0.3286, 0.3370



14.7438, 0.5882, 0.3712



1.6268, 0.5663, 0.3886

Inverse Universe

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



57.3269, 0.2335, 0.2739



51.0852, 0.2200, 0.2600



31.4020, 0.2161, 0.1891



19.4019, 0.2980, 0.3209



19.0894, 0.1933, 0.2159



2.0597, 0.1973, 0.2303

Previews

White Background



This preview shows how the Yxy color 49.5263, 0.4404, 0.3755 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 49.5263, 0.4404, 0.3755 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 49.5263, 0.4404, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 49.5263, 0.4404, 0.3755.



This preview shows how white text looks on a background with the Yxy color 49.5263, 0.4404, 0.3755.

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

49.5263, 0.4404, 0.3755

Protanopia

49.6822, 0.3726, 0.4016

Deuteranopia

49.6933, 0.4084, 0.4003



Tritanopia

49.3419, 0.3937, 0.3177

Trichromacy



Original Color

49.5263, 0.4404, 0.3755

Protanomaly

49.1187, 0.3963, 0.3916

Deuteranomaly

49.5846, 0.4205, 0.3910

Tritanomaly

49.3677, 0.4118, 0.3398

Monochromacy



Original Color

49.5263, 0.4404, 0.3755

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.8816, 0.3557, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5263, 0.4404, 0.3755 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, 165, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 120)  
}
```

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, 165, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 120) }
```

Border

The CSS property to change the border of an element to Yxy 49.5263, 0.4404, 0.3755 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, 165, 120) }
```

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

```
.border{ border-color:rgb(255, 165, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5263, 0.4404, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 120) }
```

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

```
.background{ background-color: rgb(255,  
165, 120) }
```

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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