

Converting Colors

$Y_{xy}(49.1345, 0.4452, 0.3729)$

Have a look what the booklet for
Yxy(49.1345, 0.4452, 0.3729)
contains.

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Color

Yxy(48.4326, 0.4433, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	FFA277
RGB	255, 162, 119
RGB Percent	100%, 64%, 47%
CMY	0.0000, 0.3647, 0.5333
CMYK	0.00, 0.36, 0.53, 0.00
HSL	19°, 100%, 73%
HSV	19°, 53%, 100%
XYZ	57.4991, 48.4326, 23.7753
YIQ	184.9050, 69.2310, 6.3430

Conversions

Conversions Part 2

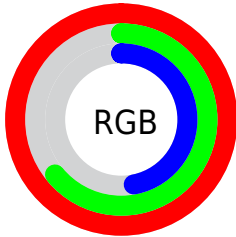
Format	Color
R_{YB}	255, 182, 119
Decimal	16753271
CIE Lab	75.10, 30.21, 36.63
CIE LCh	75, 47.483, 50.481
Yxy	48.4326, 0.4433, 0.3734
Android (android.graphics.Color)	4294943351 (0xFFFFA277)
YUV	184.9050, -32.4912, 61.4733
Hunter-Lab	69.5935, 25.6904, 28.4602

Details

The Yxy color **48.4326, 0.4433, 0.3734** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.2433, 0.2335, 0.2764**, and the grayscale version is **48.6120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8643, 0.3735, 0.3754**, and **22.9816, 0.4786, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **42.1725, 0.4790, 0.3790**, and if you desaturate by 10%, it is **55.7028, 0.4106, 0.3658**.

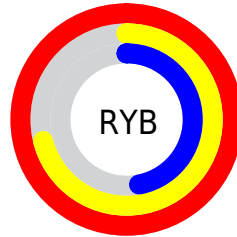
Distribution



Red (100%)

Green (64%)

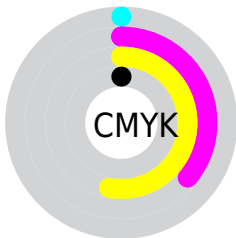
Blue (47%)



Red (100%)

Yellow (71%)

Blue (47%)

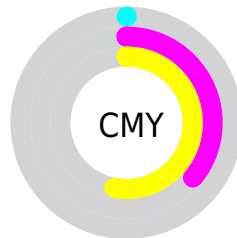


Cyan (0%)

Magenta (36%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4326, 0.4433, 0.3734 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 48.4326, 0.4433, 0.3734 by changing the saturation by 10% instead.


 48.4326, 0.4433,
0.3734


 48.4326, 0.4433,
0.3734


380.5043, 0.3785,
0.3554

 34.1696, 0.4588,
0.3764


 87.8482, 0.4202,
0.3679

 23.0239, 0.4782,
0.3794


 113.7695, 0.4113,
0.3655

 14.6112, 0.5028,
0.3819


 144.3457, 0.4038,
0.3634

 8.5470, 0.5345,
0.3824

179.9613, 0.3973,
0.3615

 4.4469, 0.5799,
0.3804

221.0005, 0.3917,
0.3597

 1.9265, 0.6362,
0.3638

267.8478, 0.3868,

 0.5643, 0.7055,

0.3581

0.2945

320.8876, 0.3824,
0.3567

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.4326, 0.4433,
0.3734

48.4326, 0.4433,
0.3734

42.1725, 0.4790,
0.3790

55.7028, 0.4106,
0.3658

36.8839, 0.5157,
0.3813

64.0377, 0.3818,
0.3572

32.5106, 0.5506,
0.3792

73.4759, 0.3569,
0.3484

28.9936, 0.5799,
0.3721

84.0572, 0.3358,
0.3398

■ 27.0834, 0.5956,
0.3653

■ 95.8190, 0.3180,
0.3316

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.



48.4326, 0.4244, 0.3236



48.4326, 0.4433, 0.3734



48.4326, 0.4229, 0.4193

Triad

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



48.4326, 0.4433, 0.3734



48.4326, 0.2514, 0.3872



48.4326, 0.2459, 0.2285

Complementary

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



48.4326, 0.4433, 0.3734



58.2433, 0.2335, 0.2764

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.



48.4326, 0.2092, 0.2338



48.4326, 0.4433, 0.3734



48.4326, 0.2114, 0.3190

Square

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



48.4326, 0.4433, 0.3734



48.4326, 0.3105, 0.4382



48.4326, 0.1973, 0.2639



48.4326, 0.3038, 0.2446

Rectangle

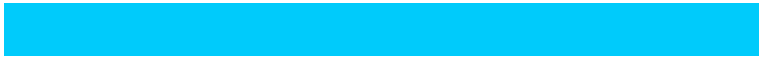
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4326, 0.4433, 0.3734



48.4326, 0.3922, 0.4411



48.4326, 0.1973, 0.2639



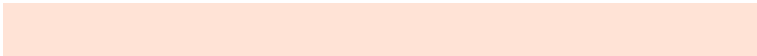
48.4326, 0.2310, 0.2277

Sweetspot

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



48.4294, 0.4433, 0.3734



81.1146, 0.3411, 0.3420



39.3231, 0.3582, 0.2348



16.8891, 0.3454, 0.3438



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.



48.4294, 0.4433, 0.3734



41.7867, 0.4814, 0.3793



77.9709, 0.4038, 0.4358



18.9237, 0.3286, 0.3366



14.3867, 0.5926, 0.3677



1.5871, 0.5705, 0.3852

Inverse Universe

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



58.2433, 0.2335, 0.2764



52.3982, 0.2209, 0.2637



31.7666, 0.2159, 0.1907



19.4563, 0.2980, 0.3213



19.9546, 0.1950, 0.2221



2.1393, 0.1988, 0.2357

Previews

White Background



This preview shows how the Yxy color 48.4326, 0.4433, 0.3734 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 48.4326, 0.4433, 0.3734 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 48.4326, 0.4433, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 48.4326, 0.4433, 0.3734.



This preview shows how white text looks on a background with the Yxy color 48.4326, 0.4433, 0.3734.

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

48.4326, 0.4433, 0.3734

Protanopia

48.5358, 0.3724, 0.4011

Deuteranopia

48.5525, 0.4085, 0.3998



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.4326, 0.4433, 0.3734

Protanomaly

48.1406, 0.3973, 0.3908

Deuteranomaly

48.4516, 0.4208, 0.3904

Tritanomaly

48.2583, 0.4152, 0.3388

Monochromacy



Original Color

48.4326, 0.4433, 0.3734

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7191, 0.3562, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4326, 0.4433, 0.3734 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, 162, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 119)  
}
```

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, 162, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 119) }
```

Border

The CSS property to change the border of an element to Yxy 48.4326, 0.4433, 0.3734 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, 162, 119) }
```

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

```
.border{ border-color:rgb(255, 162, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4326, 0.4433, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 119) }
```

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

```
.background{ background-color: rgb(255,  
162, 119) }
```

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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