

Converting Colors

$Y_{xy}(50.2821, 0.4394, 0.3780)$

Have a look what the booklet for
Yxy(50.2821, 0.4394, 0.3780)
contains.

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Color

Yxy(50.2535, 0.4392, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	FFA778
RGB	255, 167, 120
RGB Percent	100%, 65%, 47%
CMY	0.0000, 0.3451, 0.5295
CMYK	0.00, 0.35, 0.53, 0.00
HSL	21°, 100%, 74%
HSV	21°, 53%, 100%
XYZ	58.4516, 50.2535, 24.3815
YIQ	187.9540, 67.5350, 4.0390

Conversions

Conversions Part 2

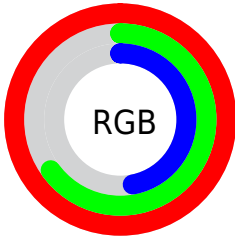
Format	Color
RYB	255, 192, 120
Decimal	16754552
CIELab	76.22, 27.68, 37.56
CIElCh	76, 46.654, 53.614
Yxy	50.2535, 0.4392, 0.3776
Android (android.graphics.Color)	4294944632 (0xFFFFA778)
YUV	187.9540, -33.5013, 58.7993
Hunter-Lab	70.8897, 23.1240, 29.2309

Details

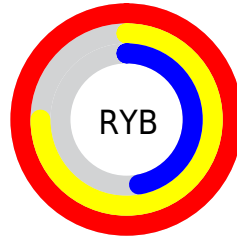
The Yxy color **50.2535, 0.4392, 0.3776** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.3129, 0.2329, 0.2713**, and the grayscale version is **50.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0525, 0.3709, 0.3802**, and **24.0789, 0.4734, 0.3847** is the 20% darker color. If you saturate the color by 10%, you get **44.0115, 0.4734, 0.3840**, and if you desaturate by 10%, it is **57.4428, 0.4077, 0.3691**.

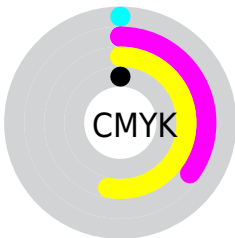
Distribution



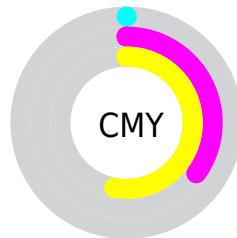
- Red (100%)
- Green (65%)
- Blue (47%)



- Red (100%)
- Yellow (75%)
- 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 50.2535, 0.4392, 0.3776 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 50.2535, 0.4392, 0.3776 by changing the saturation by 10% instead.


 50.2535, 0.4392,
0.3776

 50.2535, 0.4392,
0.3776


387.6565, 0.3769,
0.3574


 35.6149, 0.4540,
0.3812


 90.5504, 0.4171,
0.3713

 24.1369, 0.4723,
0.3849


 116.9774, 0.4086,
0.3687

 15.4352, 0.4956,
0.3883


 148.1026, 0.4013,
0.3663

 9.1254, 0.5254,
0.3904

184.3105, 0.3951,
0.3641

 4.8231, 0.5668,
0.3900

225.9855, 0.3897,
0.3622

 2.1438, 0.6211,
0.3789

273.5118, 0.3849,

 0.6891, 0.6750,

0.3604

0.3250

327.2740, 0.3807,
0.3589

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.2535, 0.4392,
0.3776

50.2535, 0.4392,
0.3776

44.0115, 0.4734,
0.3840

57.4428, 0.4077,
0.3691

38.6740, 0.5086,
0.3872

65.6194, 0.3798,
0.3597

34.1938, 0.5421,
0.3857

74.8208, 0.3556,
0.3500

30.5186, 0.5708,
0.3790

85.0824, 0.3349,
0.3405

■ 28.3723, 0.5872,
0.3719

■ 96.4376, 0.3174,
0.3315

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.



50.2535, 0.4248, 0.3290



50.2535, 0.4392, 0.3776



50.2535, 0.4160, 0.4210

Triad

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



50.2535, 0.4392, 0.3776



50.2535, 0.2481, 0.3787



50.2535, 0.2528, 0.2317

Complementary

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



50.2535, 0.4392, 0.3776



56.3129, 0.2329, 0.2713

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.



50.2535, 0.2145, 0.2348



50.2535, 0.4392, 0.3776



50.2535, 0.2114, 0.3130

Square

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



50.2535, 0.4392, 0.3776



50.2535, 0.3043, 0.4312



50.2535, 0.2003, 0.2616



50.2535, 0.3109, 0.2495

Rectangle

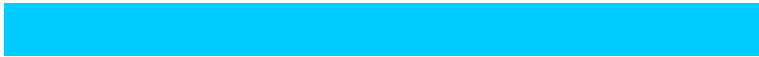
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2535, 0.4392, 0.3776



50.2535, 0.3847, 0.4402



50.2535, 0.2003, 0.2616



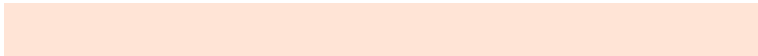
50.2535, 0.2375, 0.2303

Sweetspot

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



50.2534, 0.4392, 0.3776



81.8373, 0.3409, 0.3433



39.3409, 0.3626, 0.2394



17.0601, 0.3451, 0.3453



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.



50.2534, 0.4392, 0.3776



43.4089, 0.4771, 0.3846



80.6088, 0.4008, 0.4389



19.0216, 0.3286, 0.3373



15.0762, 0.5842, 0.3743



1.6632, 0.5625, 0.3916

Inverse Universe

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



56.3129, 0.2329, 0.2713



49.9486, 0.2193, 0.2566



30.7017, 0.2155, 0.1862



19.3540, 0.2980, 0.3205



18.3504, 0.1918, 0.2105



1.9914, 0.1960, 0.2256

Previews

White Background



This preview shows how the Yxy color 50.2535, 0.4392, 0.3776 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 50.2535, 0.4392, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

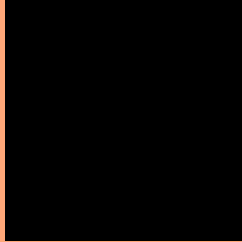
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2535, 0.4392, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 50.2535, 0.4392, 0.3776.



This preview shows how white text looks on a background with the Yxy color 50.2535, 0.4392, 0.3776.

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

50.2535, 0.4392, 0.3776

Protanopia

50.3623, 0.3748, 0.4035

Deuteranopia

50.4209, 0.4096, 0.4008



Tritanopia

50.1178, 0.3911, 0.3176

Trichromacy



Original Color

50.2535, 0.4392, 0.3776

Protanomaly

49.8112, 0.3985, 0.3934

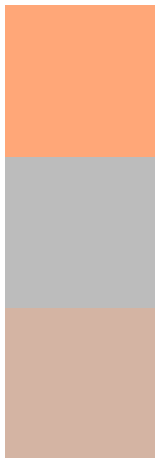
Deuteranomaly

50.1451, 0.4208, 0.3918

Tritanomaly

50.1440, 0.4090, 0.3398

Monochromacy



Original Color

50.2535, 0.4392, 0.3776

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.2839, 0.3555, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2535, 0.4392, 0.3776 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, 167, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 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, 167, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 120) }
```

Border

The CSS property to change the border of an element to Yxy 50.2535, 0.4392, 0.3776 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, 167, 120) }
```

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

```
.border{ border-color:rgb(255, 167, 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, 167, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2535, 0.4392, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 120) }
```

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

```
.background{ background-color: rgb(255,  
167, 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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