

Converting Colors

$Yxy(50.4884, 0.4452, 0.3863)$

Have a look what the booklet for
Yxy(50.4884, 0.4452, 0.3863)
contains.

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Color

Yxy(50.4351, 0.4454, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	FFA870
RGB	255, 168, 112
RGB Percent	100%, 66%, 44%
CMY	0.0000, 0.3411, 0.5609
CMYK	0.00, 0.34, 0.56, 0.00
HSL	24°, 100%, 72%
HSV	24°, 56%, 100%
XYZ	58.1662, 50.4351, 21.9919
YIQ	187.6290, 69.8280, 1.0280

Conversions

Conversions Part 2

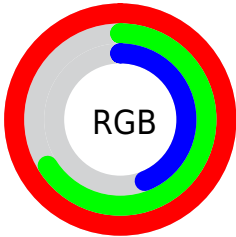
Format	Color
R_{YB}	255, 204, 112
Decimal	16754800
CIE Lab	76.34, 26.50, 41.85
CIE LCh	76, 49.541, 57.655
Yxy	50.4351, 0.4454, 0.3862
Android (android.graphics.Color)	4294944880 (0xFFFFA870)
YUV	187.6290, -37.2851, 59.0844
Hunter-Lab	71.0177, 21.9175, 31.3522

Details

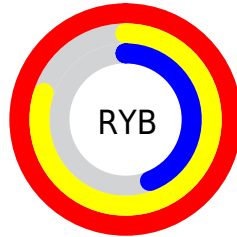
The Yxy color **50.4351, 0.4454, 0.3862** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.4965, 0.2271, 0.2590**, and the grayscale version is **50.2543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2879, 0.3762, 0.3893**, and **24.2114, 0.4806, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **44.5581, 0.4782, 0.3927**, and if you desaturate by 10%, it is **57.1611, 0.4146, 0.3772**.

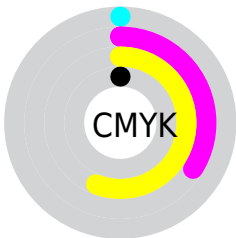
Distribution



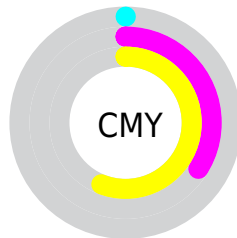
- Red (100%)
- Green (66%)
- Blue (44%)



- Red (100%)
- Yellow (80%)
- Blue (44%)



- Cyan (0%)
- Magenta (34%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4351, 0.4454, 0.3862 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 50.4351, 0.4454, 0.3862 by changing the saturation by 10% instead.


 50.4351, 0.4454,
0.3862


 50.4351, 0.4454,
0.3862


388.3650, 0.3805,
0.3624


 35.7592, 0.4606,
0.3904


 90.8192, 0.4225,
0.3788

 24.2483, 0.4792,
0.3947


 117.2962, 0.4137,
0.3757

 15.5179, 0.5025,
0.3987


 148.4758, 0.4061,
0.3729

 9.1837, 0.5318,
0.4009

 184.7422, 0.3996,
0.3703

 4.8612, 0.5760,
0.4034

226.4800, 0.3939,
0.3680

 2.1660, 0.6157,
0.3843

274.0734, 0.3889,

 0.7014, 0.6674,

0.3660

327.9070, 0.3845,
0.3641

0.3326

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.4351, 0.4454,
0.3862

50.4351, 0.4454,
0.3862

44.5581, 0.4782,
0.3927

57.1611, 0.4146,
0.3772

39.4845, 0.5110,
0.3954

64.7635, 0.3867,
0.3668

35.1753, 0.5414,
0.3931

73.2778, 0.3621,
0.3559

31.5832, 0.5667,
0.3853

82.7348, 0.3408,
0.3452

■ 30.3546, 0.5753,
0.3814

■ 93.1639, 0.3225,
0.3349

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



50.4351, 0.4361, 0.3353



50.4351, 0.4454, 0.3862



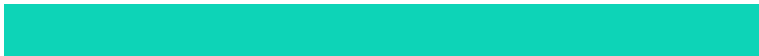
50.4351, 0.4157, 0.4308

Triad

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



50.4351, 0.4454, 0.3862



50.4351, 0.2376, 0.3723



50.4351, 0.2565, 0.2280

Complementary

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



50.4351, 0.4454, 0.3862



51.4965, 0.2271, 0.2590

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.



50.4351, 0.2133, 0.2278



50.4351, 0.4454, 0.3862



50.4351, 0.2028, 0.3029

Square

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



50.4351, 0.4454, 0.3862



50.4351, 0.2946, 0.4326



50.4351, 0.1949, 0.2521



50.4351, 0.3198, 0.2493

Rectangle

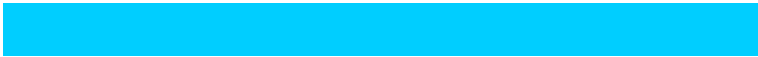
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.4351, 0.4454, 0.3862



50.4351, 0.3804, 0.4493



50.4351, 0.1949, 0.2521



50.4351, 0.2395, 0.2255

Sweetspot

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



50.4376, 0.4454, 0.3862



81.8314, 0.3426, 0.3461



37.0220, 0.3748, 0.2414



17.0959, 0.3467, 0.3483



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.



50.4376, 0.4454, 0.3862



44.0620, 0.4812, 0.3932



83.7612, 0.4020, 0.4500



19.1542, 0.3284, 0.3384



16.1306, 0.5724, 0.3837



1.7758, 0.5514, 0.4004

Inverse Universe

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



51.4965, 0.2271, 0.2590



45.1074, 0.2135, 0.2425



26.2757, 0.2075, 0.1676



19.2167, 0.2979, 0.3195



16.3388, 0.1875, 0.1949



1.8037, 0.1922, 0.2118

Previews

White Background



This preview shows how the Yxy color 50.4351, 0.4454, 0.3862 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 50.4351, 0.4454, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

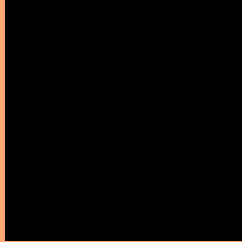
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4351, 0.4454, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 50.4351, 0.4454, 0.3862.



This preview shows how white text looks on a background with the Yxy color 50.4351, 0.4454, 0.3862.

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

50.4351, 0.4454, 0.3862

Protanopia

50.7304, 0.3815, 0.4138

Deuteranopia

50.5696, 0.4178, 0.4085



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.4351, 0.4454, 0.3862

Protanomaly

50.0201, 0.4045, 0.4033

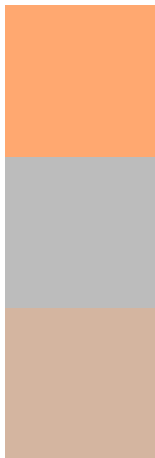
Deuteranomaly

50.5272, 0.4276, 0.4006

Tritanomaly

50.4046, 0.4114, 0.3440

Monochromacy



Original Color

50.4351, 0.4454, 0.3862

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5829, 0.3578, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4351, 0.4454, 0.3862 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, 168, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 112)  
}
```

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, 168, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 112) }
```

Border

The CSS property to change the border of an element to Yxy 50.4351, 0.4454, 0.3862 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, 168, 112) }
```

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

```
.border{ border-color:rgb(255, 168, 112) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4351, 0.4454, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 112) }
```

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

```
.background{ background-color: rgb(255,  
168, 112) }
```

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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