

# Converting Colors

Yxy(61.7421, 0.4743, 0.3613)

Have a look what the booklet for  
Yxy(61.7421, 0.4743, 0.3613)  
contains.

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# **Color**

**Yxy(50.4559, 0.4320, 0.3697)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA780
RGB	255, 167, 128
RGB Percent	100%, 65%, 50%
CMY	0.0000, 0.3451, 0.4979
CMYK	0.00, 0.35, 0.50, 0.00
HSL	18°, 100%, 75%
HSV	18°, 50%, 100%
XYZ	58.9585, 50.4559, 27.0636
YIQ	188.8660, 64.9670, 6.5270

# Conversions

## Conversions Part 2

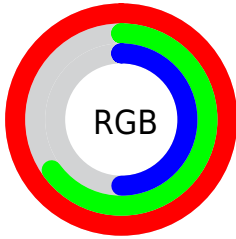
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 184, 128
Decimal	16754560
CIE <sub>Lab</sub>	76.35, 28.37, 33.47
CIE <sub>LCh</sub>	76, 43.877, 49.717
Yxy	50.4559, 0.4320, 0.3697
Android (android.graphics.Color)	4294944640 (0xFFFFA780)
YUV	188.8660, -30.0069, 57.9995
Hunter-Lab	71.0323, 23.8526, 27.1329

# Details

The Yxy color **50.4559, 0.4320, 0.3697** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.9384, 0.2384, 0.2820**, and the grayscale version is **50.9567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3715, 0.3653, 0.3720**, and **24.1868, 0.4644, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **43.8286, 0.4671, 0.3759**, and if you desaturate by 10%, it is **58.1393, 0.4003, 0.3619**.

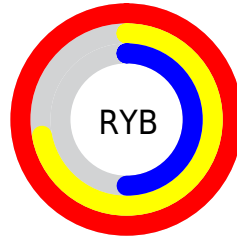
# Distribution



Red (100%)

Green (65%)

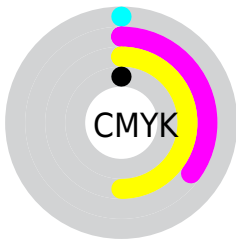
Blue (50%)



Red (100%)

Yellow (72%)

Blue (50%)

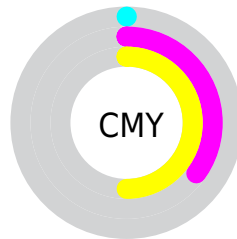


Cyan (0%)

Magenta (35%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (35%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4559, 0.4320, 0.3697 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 50.4559, 0.4320, 0.3697 by changing the saturation by 10% instead.




 50.4559, 0.4320,  
0.3697

 50.4559, 0.4320,  
0.3697


388.4461, 0.3730,  
0.3529


 35.7758, 0.4462,  
0.3727


 90.8500, 0.4109,  
0.3645

 24.2611, 0.4639,  
0.3758


 117.3328, 0.4029,  
0.3622

 15.5274, 0.4865,  
0.3788


 148.5185, 0.3961,  
0.3602

 9.1904, 0.5161,  
0.3807

184.7917, 0.3902,  
0.3584

 4.8656, 0.5558,  
0.3791

226.5366, 0.3850,  
0.3568

 2.1686, 0.6236,  
0.3764

274.1377, 0.3805,

 0.7028, 0.6772,

0.3554

0.3228

327.9794, 0.3766,  
0.3541

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.4559, 0.4320,  
0.3697

50.4559, 0.4320,  
0.3697

43.8286, 0.4671,  
0.3759

58.1393, 0.4003,  
0.3619

38.2052, 0.5042,  
0.3793

66.9203, 0.3727,  
0.3534

33.5341, 0.5406,  
0.3787

76.8426, 0.3491,  
0.3448

29.7567, 0.5725,  
0.3733

87.9461, 0.3292,  
0.3366

■ 26.8005, 0.5973,  
0.3637

100.0000, 0.3127,  
0.3290

■ 26.7467, 0.5978,  
0.3635

# Harmonies

## Analogous

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



50.4559, 0.4135, 0.3236



50.4559, 0.4320, 0.3697



50.4559, 0.4148, 0.4116

# Triad

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



50.4559, 0.4320, 0.3697



50.4559, 0.2581, 0.3832



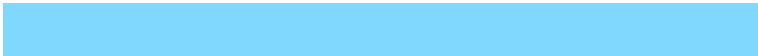
50.4559, 0.2504, 0.2361

# Complementary

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



50.4559, 0.4320, 0.3697



60.9384, 0.2384, 0.2820

# 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.



50.4559, 0.2167, 0.2420



50.4559, 0.4320, 0.3697



50.4559, 0.2203, 0.3220

# Square

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



50.4559, 0.4320, 0.3697



50.4559, 0.3128, 0.4283



50.4559, 0.2063, 0.2709



50.4559, 0.3034, 0.2505



# Rectangle

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



50.4559, 0.4320, 0.3697



50.4559, 0.3874, 0.4312



50.4559, 0.2063, 0.2709



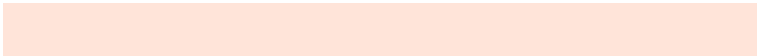
50.4559, 0.2367, 0.2357

# Sweetspot

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



50.4571, 0.4320, 0.3697



82.0135, 0.3392, 0.3408



41.7113, 0.3542, 0.2403



17.0601, 0.3434, 0.3426



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.



50.4571, 0.4320, 0.3697



43.7015, 0.4679, 0.3760



79.1940, 0.3977, 0.4295



18.8962, 0.3287, 0.3364



14.2060, 0.5949, 0.3659



1.5668, 0.5728, 0.3834



# Inverse Universe

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



60.9384, 0.2384, 0.2820



55.1761, 0.2258, 0.2703



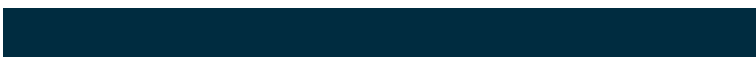
34.7332, 0.2228, 0.2014



19.4852, 0.2980, 0.3215



20.4247, 0.1959, 0.2254



2.1824, 0.1996, 0.2386



# Previews

## White Background



This preview shows how the Yxy color 50.4559, 0.4320, 0.3697 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 50.4559, 0.4320, 0.3697 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

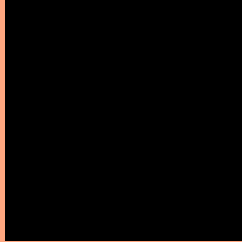
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.4559, 0.4320, 0.3697**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4559, 0.4320, 0.3697.



This preview shows how white text looks on a background with the Yxy color 50.4559, 0.4320, 0.3697.

# 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

50.4559, 0.4320, 0.3697

### Protanopia

50.8978, 0.3663, 0.3938

### Deuteranopia

50.2919, 0.4012, 0.3927



## Tritanopia

50.5104, 0.3898, 0.3176

# Trichromacy



**Original Color**

50.4559, 0.4320, 0.3697

**Protanomaly**

50.2986, 0.3895, 0.3845

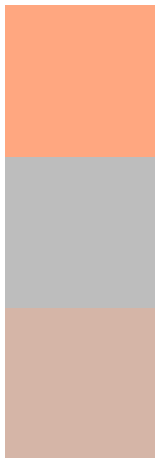
**Deuteranomaly**

50.1708, 0.4131, 0.3837

**Tritanomaly**

50.2452, 0.4060, 0.3367

# Monochromacy



**Original Color**

50.4559, 0.4320, 0.3697

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

49.9839, 0.3527, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.4559, 0.4320, 0.3697 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4559, 0.4320, 0.3697 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, 128) }
```

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

```
.border{ border-color:rgb(255, 167, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4559, 0.4320, 0.3697 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, 128) }
```

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

```
.background{ background-color: rgb(255,  
167, 128) }
```

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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