

# Converting Colors

$Y_{xy}(59.9752, 0.3932, 0.3591)$

Have a look what the booklet for  
Yxy(59.9752, 0.3932, 0.3591)  
contains.

<b>Yxy(60.1933, 0.3930, 0.3596)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(60.1933, 0.3930, 0.3596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDA0
RGB	255, 189, 160
RGB Percent	100%, 74%, 63%
CMY	0.0000, 0.2588, 0.3725
CMYK	0.00, 0.26, 0.37, 0.00
HSL	18°, 100%, 81%
HSV	18°, 37%, 100%
XYZ	65.7841, 60.1933, 41.4122
YIQ	205.4280, 48.6450, 4.9730

# Conversions

## Conversions Part 2

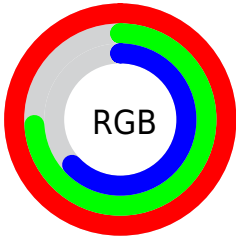
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 202, 160
Decimal	16760224
CIE Lab	81.94, 20.11, 23.96
CIE LCh	82, 31.283, 49.992
Yxy	60.1933, 0.3930, 0.3596
Android (android.graphics.Color)	4294950304 (0xFFFFBDA0)
YUV	205.4280, -22.3960, 43.4746
Hunter-Lab	77.5843, 15.5784, 22.6618

# Details

The Yxy color **60.1933, 0.3930, 0.3596** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.0893, 0.2557, 0.2957**, and the grayscale version is **61.4609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4711, 0.3378, 0.3587**, and **30.1464, 0.4138, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **52.2304, 0.4237, 0.3676**, and if you desaturate by 10%, it is **69.2748, 0.3664, 0.3511**.

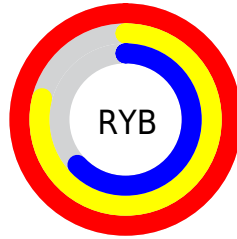
# Distribution



Red (100%)

Green (74%)

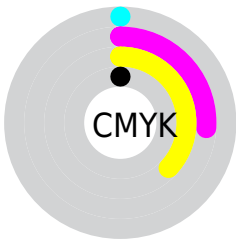
Blue (63%)



Red (100%)

Yellow (79%)

Blue (63%)

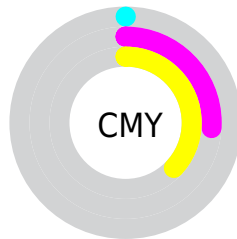


Cyan (0%)

Magenta (26%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1933, 0.3930, 0.3596 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 60.1933, 0.3930, 0.3596 by changing the saturation by 10% instead.





 60.1933, 0.3930,  
0.3596


 60.1933, 0.3930,  
0.3596


425.3099, 0.3543,  
0.3463

 43.5745, 0.4022,  
0.3623


 105.1100, 0.3793,  
0.3552

 30.3361, 0.4136,  
0.3655


 134.1767, 0.3740,  
0.3534

 20.0938, 0.4284,  
0.3693

168.1614, 0.3695,  
0.3519

 12.4633, 0.4479,  
0.3735

207.4486, 0.3657,  
0.3505

 7.0600, 0.4747,  
0.3780

252.4227, 0.3623,  
0.3493

 3.4997, 0.5131,  
0.3812

303.4680, 0.3593,

 1.3978, 0.6017,

0.3482

0.3983

360.9689, 0.3566,  
0.3472

0.2151, 0.7637,  
0.2363

0.0000, 0.0000,  
0.0000

60.1933, 0.3930,  
0.3596

60.1933, 0.3930,  
0.3596

52.2304, 0.4237,  
0.3676

69.2748, 0.3664,  
0.3511

45.3346, 0.4581,  
0.3743

79.5101, 0.3438,  
0.3426

39.4603, 0.4950,  
0.3785

90.9412, 0.3246,  
0.3345

34.5555, 0.5319,  
0.3790

100.0000, 0.3127,  
0.3290

■ 30.5630, 0.5654,  
0.3748

■ 27.4173, 0.5919,  
0.3659

■ 26.6859, 0.5982,  
0.3632

# Harmonies

## Analogous

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



60.1933, 0.3804, 0.3270



60.1933, 0.3930, 0.3596



60.1933, 0.3824, 0.3872

# Triad

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



60.1933, 0.3930, 0.3596



60.1933, 0.2759, 0.3644



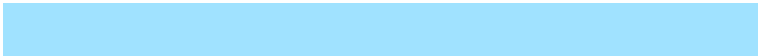
60.1933, 0.2706, 0.2641

# Complementary

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



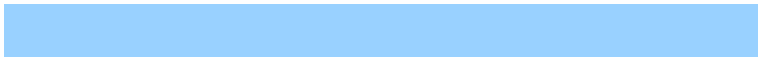
60.1933, 0.3930, 0.3596



69.0893, 0.2557, 0.2957

# 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.



60.1933, 0.2461, 0.2692



60.1933, 0.3930, 0.3596



60.1933, 0.2490, 0.3253

# Square

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



60.1933, 0.3930, 0.3596



60.1933, 0.3138, 0.3934



60.1933, 0.2385, 0.2905



60.1933, 0.3075, 0.2741



# Rectangle

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



60.1933, 0.3930, 0.3596



60.1933, 0.3644, 0.3985



60.1933, 0.2385, 0.2905



60.1933, 0.2607, 0.2640

# Sweetspot

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



60.1956, 0.3930, 0.3596



86.5137, 0.3314, 0.3375



51.9232, 0.3409, 0.2618



18.1838, 0.3340, 0.3386



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.



60.1956, 0.3930, 0.3596



53.9289, 0.4164, 0.3659



83.7903, 0.3753, 0.4053



18.8912, 0.3287, 0.3363



14.1733, 0.5953, 0.3655



1.5631, 0.5732, 0.3831



# Inverse Universe

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



69.0893, 0.2557, 0.2957



63.9892, 0.2448, 0.2875



46.9374, 0.2474, 0.2386



19.4905, 0.2980, 0.3216



20.5123, 0.1961, 0.2260



2.1904, 0.1998, 0.2391



# Previews

## White Background



This preview shows how the Yxy color 60.1933, 0.3930, 0.3596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

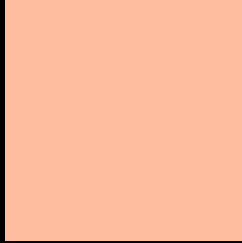
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1933, 0.3930, 0.3596 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 60.1933, 0.3930, 0.3596**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1933, 0.3930, 0.3596.



This preview shows how white text looks on a background with the Yxy color 60.1933, 0.3930, 0.3596.

# 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

60.1933, 0.3930, 0.3596

### Protanopia

60.5747, 0.3496, 0.3723

### Deuteranopia

60.3338, 0.3776, 0.3699



## Tritanopia

60.0351, 0.3616, 0.3156

# Trichromacy



## Original Color

60.1933, 0.3930, 0.3596

## Protanomaly

60.3502, 0.3650, 0.3686

## Deuteranomaly

60.0556, 0.3838, 0.3659

## Tritanomaly

59.8385, 0.3734, 0.3313

# Monochromacy



## Original Color

60.1933, 0.3930, 0.3596

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

60.2089, 0.3395, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1933, 0.3930, 0.3596 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, 189, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 160)  
}
```

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, 189, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1933, 0.3930, 0.3596 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, 189, 160) }
```

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

```
.border{ border-color:rgb(255, 189, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 189, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 189, 160); box-shadow:4px 4px 4px 4px rgb(255, 189, 160) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1933, 0.3930, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 160) }
```

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

```
.background{ background-color: rgb(255,  
189, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor