

# Converting Colors

$Y_{xy}(59.7743, 0.4226, 0.3989)$

Have a look what the booklet for  
Yxy(59.7743, 0.4226, 0.3989)  
contains.

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# Color

**Yxy(59.9267, 0.4227, 0.3996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBF7A
RGB	255, 191, 122
RGB Percent	100%, 75%, 48%
CMY	0.0000, 0.2510, 0.5214
CMYK	0.00, 0.25, 0.52, 0.00
HSL	31°, 100%, 74%
HSV	31°, 52%, 100%
XYZ	63.3909, 59.9267, 26.6491
YIQ	202.2700, 60.2930, -7.8910

# Conversions

## Conversions Part 2

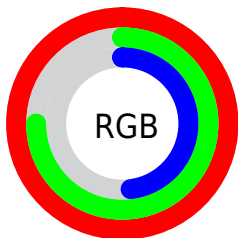
Format	Color
R <sub>Y</sub> B	245, 255, 122
Decimal	16760698
CIE Lab	81.80, 15.31, 43.51
CIE LCh	82, 46.127, 70.621
Yxy	59.9267, 0.4227, 0.3996
Android (android.graphics.Color)	4294950778 (0xFFFFBF7A)
YUV	202.2700, -39.5731, 46.2442
Hunter-Lab	77.4123, 10.6974, 33.7781

# Details

The Yxy color **59.9267, 0.4227, 0.3996** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.4946, 0.2280, 0.2429**, and the grayscale version is **59.4638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9161, 0.3619, 0.3996**, and **30.2340, 0.4481, 0.4140** is the 20% darker color. If you saturate the color by 10%, you get **54.2429, 0.4496, 0.4103**, and if you desaturate by 10%, it is **66.2232, 0.3970, 0.3868**.

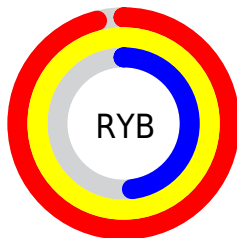
# Distribution



Red (100%)

Green (75%)

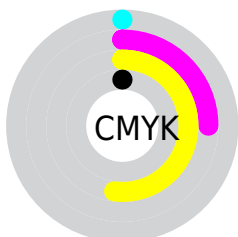
Blue (48%)



Red (96%)

Yellow (100%)

Blue (48%)

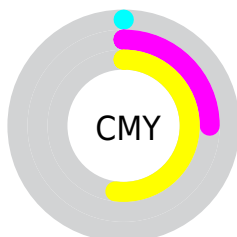


Cyan (0%)

Magenta (25%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9267, 0.4227, 0.3996 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 59.9267, 0.4227, 0.3996 by changing the saturation by 10% instead.





 59.9267, 0.4227,  
0.3996


 59.9267, 0.4227,  
0.3996


424.3275, 0.3708,  
0.3688

 43.3596, 0.4344,  
0.4058


 104.7233, 0.4047,  
0.3895

 30.1673, 0.4486,  
0.4128


 133.7216, 0.3977,  
0.3854

 19.9656, 0.4660,  
0.4207

 167.6324, 0.3917,  
0.3818

 12.3701, 0.4876,  
0.4289

206.8400, 0.3864,  
0.3786

 6.9962, 0.5143,  
0.4364

251.7290, 0.3818,  
0.3757

 3.4597, 0.5544,  
0.4456

302.6836, 0.3777,

 1.3762, 0.5768,

0.3732

0.4232

360.0884, 0.3740,  
0.3709

0.1991, 0.7387,  
0.2613

0.0000, 0.0000,  
0.0000

59.9267, 0.4227,  
0.3996

59.9267, 0.4227,  
0.3996

54.2429, 0.4496,  
0.4103

66.2232, 0.3970,  
0.3868

49.1504, 0.4764,  
0.4174

73.1575, 0.3732,  
0.3729

44.6215, 0.5016,  
0.4199

80.7498, 0.3518,  
0.3587

40.6259, 0.5235,  
0.4168

89.0197, 0.3328,  
0.3449

37.8311, 0.5380,  
0.4110

97.9861, 0.3160,  
0.3317

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.



59.9267, 0.4294, 0.3556



59.9267, 0.4227, 0.3996



59.9267, 0.3855, 0.4311

# Triad

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



59.9267, 0.4227, 0.3996



59.9267, 0.2300, 0.3404



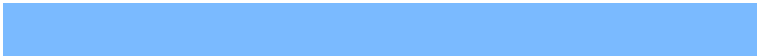
59.9267, 0.2860, 0.2447

# Complementary

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



59.9267, 0.4227, 0.3996



46.4946, 0.2280, 0.2429

# 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.



59.9267, 0.2384, 0.2362



59.9267, 0.4227, 0.3996



59.9267, 0.2086, 0.2846

# Square

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



59.9267, 0.4227, 0.3996



59.9267, 0.2738, 0.3994



59.9267, 0.2117, 0.2488



59.9267, 0.3459, 0.2711



# Rectangle

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



59.9267, 0.4227, 0.3996



59.9267, 0.3499, 0.4373



59.9267, 0.2117, 0.2488



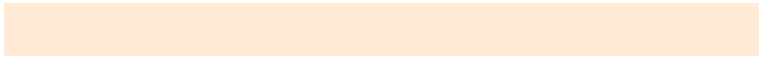
59.9267, 0.2681, 0.2397

# Sweetspot

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



59.9258, 0.4227, 0.3996



85.7485, 0.3398, 0.3502



38.7458, 0.3886, 0.2637



17.9890, 0.3437, 0.3530



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.



59.9258, 0.4227, 0.3996



53.7837, 0.4519, 0.4110



93.7681, 0.3873, 0.4556



19.5456, 0.3281, 0.3413



20.0684, 0.5356, 0.4129



2.1728, 0.5187, 0.4263



# Inverse Universe

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



46.4946, 0.2280, 0.2429



39.0020, 0.2118, 0.2209



25.4516, 0.2131, 0.1626



18.8207, 0.2979, 0.3163



11.4374, 0.1753, 0.1512



1.3310, 0.1812, 0.1722



# Previews

## White Background



This preview shows how the Yxy color 59.9267, 0.4227, 0.3996 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

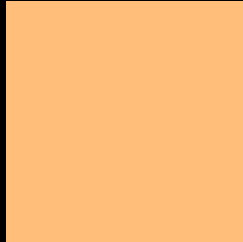
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9267, 0.4227, 0.3996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

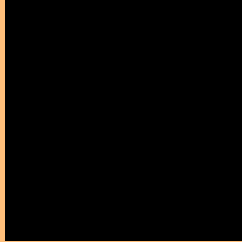
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9267, 0.4227, 0.3996**

## Background



This preview shows how black text looks on a background with the Yxy color 59.9267, 0.4227, 0.3996.



This preview shows how white text looks on a background with the Yxy color 59.9267, 0.4227, 0.3996.

# 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

59.9267, 0.4227, 0.3996

### Protanopia

60.2476, 0.3842, 0.4167

### Deuteranopia

59.7382, 0.4150, 0.4057



## Tritanopia

59.9891, 0.3625, 0.3167

# Trichromacy



**Original Color**

59.9267, 0.4227, 0.3996

**Protanomaly**

59.8199, 0.3983, 0.4104

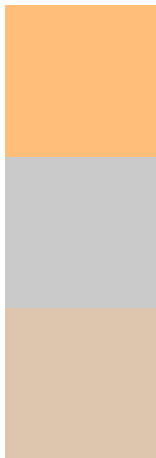
**Deuteranomaly**

59.8444, 0.4181, 0.4039

**Tritanomaly**

59.7029, 0.3852, 0.3470

# Monochromacy



**Original Color**

59.9267, 0.4227, 0.3996

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.7774, 0.3506, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9267, 0.4227, 0.3996 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, 191, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 122)  
}
```

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, 191, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9267, 0.4227, 0.3996 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, 191, 122) }
```

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

```
.border{ border-color:rgb(255, 191, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9267, 0.4227, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 122) }
```

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

```
.background{ background-color: rgb(255,  
191, 122) }
```

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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