

# Converting Colors

$Yxy(87.0206, 0.4217, 0.3463)$

Have a look what the booklet for  
Yxy(87.0206, 0.4217, 0.3463)  
contains.

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# Color

**Yxy(69.9596, 0.3649, 0.3508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0BB
RGB	255, 208, 187
RGB Percent	100%, 82%, 73%
CMY	0.0000, 0.1843, 0.2665
CMYK	0.00, 0.18, 0.27, 0.00
HSL	19°, 100%, 87%
HSV	19°, 27%, 100%
XYZ	72.7715, 69.9596, 56.6976
YIQ	219.6590, 34.7530, 3.4330

# Conversions

## Conversions Part 2

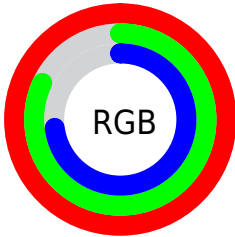
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 217, 187
Decimal	16765115
CIE Lab	86.98, 13.55, 16.64
CIE LCh	87, 21.461, 50.851
Yxy	69.9596, 0.3649, 0.3508
Android (android.graphics.Color)	4294955195 (0xFFFFD0BB)
YUV	219.6590, -16.1009, 30.9941
Hunter-Lab	83.6419, 8.9284, 18.3589

# Details

The Yxy color **69.9596, 0.3649, 0.3508** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.6519, 0.2714, 0.3061**, and the grayscale version is **71.4171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **36.7027, 0.3769, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **60.8374, 0.3912, 0.3594**, and if you desaturate by 10%, it is **80.2330, 0.3425, 0.3423**.

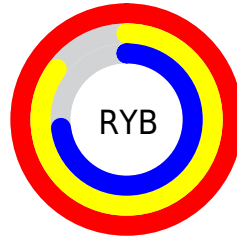
# Distribution



Red (100%)

Green (82%)

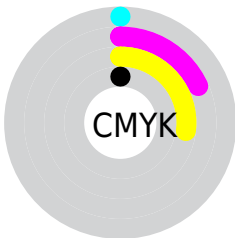
Blue (73%)



Red (100%)

Yellow (85%)

Blue (73%)

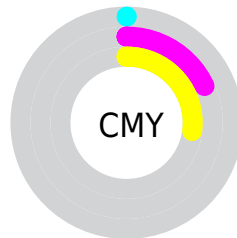


Cyan (0%)

Magenta (18%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9596, 0.3649, 0.3508 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 69.9596, 0.3649, 0.3508 by changing the saturation by 10% instead.





 69.9596, 0.3649,  
0.3508

 69.9596, 0.3649,  
0.3508


460.4081, 0.3404,  
0.3412

 51.4936, 0.3706,  
0.3529


 119.1511, 0.3563,  
0.3476

 36.6016, 0.3776,  
0.3554


150.6455, 0.3530,  
0.3463

 24.8992, 0.3866,  
0.3584

187.2514, 0.3502,  
0.3451

 16.0019, 0.3984,  
0.3622

229.3532, 0.3477,  
0.3441

 9.5255, 0.4146,  
0.3669

277.3354, 0.3455,  
0.3433

 5.0855, 0.4379,  
0.3728

331.5824, 0.3436,

 2.2975, 0.4743,

0.3425

0.3798

392.4785, 0.3419,  
0.3418

0.7724, 0.5842,  
0.4158

0.0000, 1.0000,  
0.0000

69.9596, 0.3649,  
0.3508

69.9596, 0.3649,  
0.3508

60.8374, 0.3912,  
0.3594

80.2330, 0.3425,  
0.3423

52.8230, 0.4215,  
0.3676

91.6948, 0.3236,  
0.3341

45.8730, 0.4556,  
0.3744

100.0000, 0.3127,  
0.3290

39.9404, 0.4923,  
0.3789

■ 34.9740, 0.5292,  
0.3797

■ 30.9176, 0.5628,  
0.3758

■ 27.7076, 0.5898,  
0.3672

■ 26.8042, 0.5974,  
0.3638

# Harmonies

## Analogous

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



69.9596, 0.3570, 0.3290



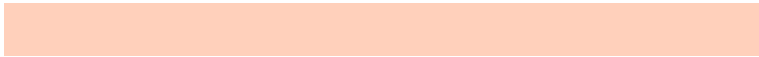
69.9596, 0.3649, 0.3508



69.9596, 0.3581, 0.3682

# Triad

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



69.9596, 0.3649, 0.3508



69.9596, 0.2882, 0.3511



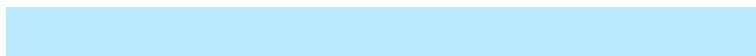
69.9596, 0.2857, 0.2856

# Complementary

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



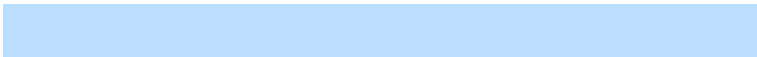
69.9596, 0.3649, 0.3508



76.6519, 0.2714, 0.3061

# 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.



69.9596, 0.2687, 0.2894



69.9596, 0.3649, 0.3508



69.9596, 0.2701, 0.3265

# Square

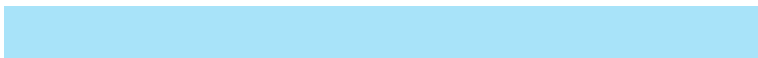
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9596, 0.3649, 0.3508



69.9596, 0.3132, 0.3696



69.9596, 0.2632, 0.3039



69.9596, 0.3104, 0.2925



# Rectangle

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



69.9596, 0.3649, 0.3508



69.9596, 0.3463, 0.3745



69.9596, 0.2632, 0.3039



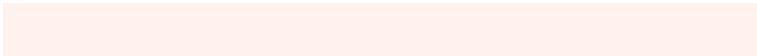
69.9596, 0.2790, 0.2856

# Sweetspot

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



69.9602, 0.3649, 0.3508



90.0826, 0.3260, 0.3352



62.7889, 0.3312, 0.2812



18.9010, 0.3287, 0.3364



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.



69.9602, 0.3649, 0.3508



64.9436, 0.3784, 0.3554



88.0003, 0.3564, 0.3835



18.9010, 0.3287, 0.3364



14.2368, 0.5945, 0.3662

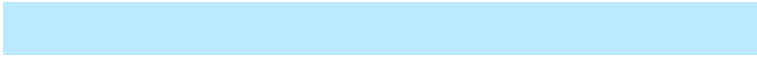


1.5703, 0.5724, 0.3837

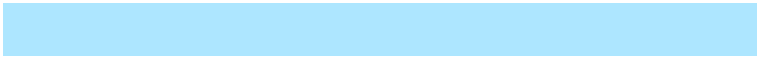


# Inverse Universe

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



76.6519, 0.2714, 0.3061



72.6469, 0.2634, 0.3008



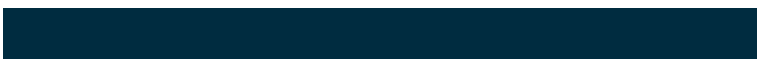
59.3867, 0.2677, 0.2679



19.4802, 0.2980, 0.3215



20.3428, 0.1958, 0.2248



2.1749, 0.1995, 0.2381



# Previews

## White Background



This preview shows how the Yxy color 69.9596, 0.3649, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

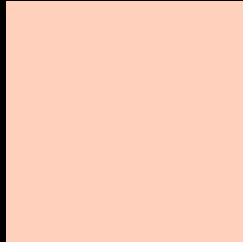
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9596, 0.3649, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

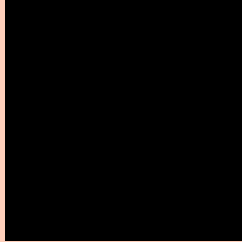
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.9596, 0.3649, 0.3508**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9596, 0.3649, 0.3508.



This preview shows how white text looks on a background with the Yxy color 69.9596, 0.3649, 0.3508.

# 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

69.9596, 0.3649, 0.3508

### Protanopia

69.9255, 0.3382, 0.3565

### Deuteranopia

70.0050, 0.3604, 0.3532



## Tritanopia

70.0371, 0.3410, 0.3149

# Trichromacy



**Original Color**

69.9596, 0.3649, 0.3508

**Protanomaly**

69.9880, 0.3479, 0.3549

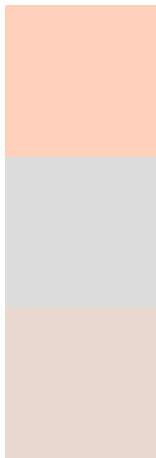
**Deuteranomaly**

69.8842, 0.3623, 0.3520

**Tritanomaly**

69.9076, 0.3500, 0.3281

# Monochromacy



**Original Color**

69.9596, 0.3649, 0.3508

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

70.9894, 0.3308, 0.3376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9596, 0.3649, 0.3508 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, 208, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 187)  
}
```

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, 208, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9596, 0.3649, 0.3508 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, 208, 187) }
```

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

```
.border{ border-color:rgb(255, 208, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9596, 0.3649, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 187) }
```

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

```
.background{ background-color: rgb(255,  
208, 187) }
```

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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