

# Converting Colors

$Y_{xy}(56.3650, 0.3673, 0.3590)$

Have a look what the booklet for  
Yxy(56.3650, 0.3673, 0.3590)  
contains.

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# Color

**Yxy(56.3302, 0.3678, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6BEA4
RGB	230, 190, 164
RGB Percent	90%, 75%, 64%
CMY	0.0978, 0.2550, 0.3569
CMYK	0.00, 0.17, 0.29, 0.10
HSL	24°, 57%, 77%
HSV	24°, 29%, 90%
XYZ	57.7593, 56.3302, 42.9504
YIQ	198.9960, 32.1860, 0.3940

# Conversions

## Conversions Part 2

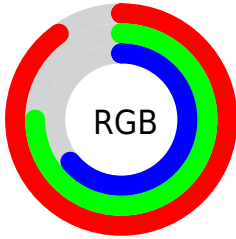
Format	Color
R <sub>Y</sub> B	230, 207, 164
Decimal	15122084
CIE Lab	79.80, 10.57, 18.50
CIE LCh	80, 21.306, 60.245
Yxy	56.3302, 0.3678, 0.3587
Android (android.graphics.Color)	4293312164 (0xFFE6BEA4)
YUV	198.9960, -17.2530, 27.1905
Hunter-Lab	75.0534, 6.0256, 18.6079

# Details

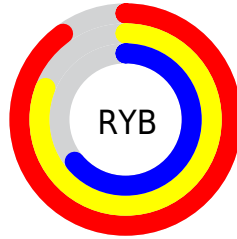
The Yxy color  $56.3302, 0.3678, 0.3587$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $56.8252, 0.2678, 0.2972$ , and the grayscale version is  $57.2073, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.2860, 0.3352, 0.3556$ , and  $28.0598, 0.3829, 0.3664$  is the 20% darker color. If you saturate the color by 10%, you get  $49.8177, 0.3930, 0.3695$ , and if you desaturate by 10%, it is  $63.5770, 0.3459, 0.3479$ .

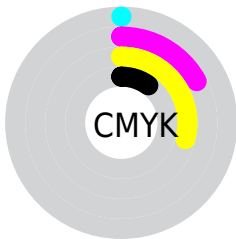
# Distribution



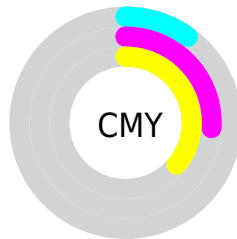
- Red (90%)
- Green (75%)
- Blue (64%)



- Red (90%)
- Yellow (81%)
- Blue (64%)



- Cyan (0%)
- Magenta (17%)
- Yellow (29%)
- Black (10%)




- Cyan (10%)
- Magenta (26%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3302, 0.3678, 0.3587 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 56.3302, 0.3678, 0.3587 by changing the saturation by 10% instead.




 56.3302, 0.3678,  
0.3587

 56.3302, 0.3678,  
0.3587


410.9347, 0.3410,  
0.3449

 40.4677, 0.3743,  
0.3618


 99.4872, 0.3582,  
0.3539

 27.9034, 0.3824,  
0.3657


 127.5505, 0.3546,  
0.3520

 18.2529, 0.3930,  
0.3705


160.4496, 0.3515,  
0.3504

 11.1317, 0.4073,  
0.3766

198.5688, 0.3488,  
0.3490

 6.1555, 0.4274,  
0.3845

242.2925, 0.3464,  
0.3478

 2.9399, 0.4577,  
0.3947

292.0051, 0.3444,

 1.1004, 0.5552,

0.3467

0.4448

348.0910, 0.3426,  
0.3458

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

56.3302, 0.3678,  
0.3587

56.3302, 0.3678,  
0.3587

49.8177, 0.3930,  
0.3695

63.5770, 0.3459,  
0.3479

44.0073, 0.4214,  
0.3796

71.5734, 0.3270,  
0.3375

38.8760, 0.4526,  
0.3882

80.3439, 0.3108,  
0.3278

34.3961, 0.4853,  
0.3940

89.8434, 0.2975,  
0.3197

■ 30.5377, 0.5176,  
0.3957

■ 95.5713, 0.2976,  
0.3290

■ 27.2677, 0.5468,  
0.3922

■ 24.5454, 0.5709,  
0.3837

■ 24.2296, 0.5739,  
0.3825

# Harmonies

## Analogous

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



56.3302, 0.3643, 0.3363



56.3302, 0.3678, 0.3587



56.3302, 0.3558, 0.3746

# Triad

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



56.3302, 0.3678, 0.3587



56.3302, 0.2795, 0.3447



56.3302, 0.2915, 0.2840

# Complementary

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



56.3302, 0.3678, 0.3587



56.8252, 0.2678, 0.2972

# 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.



56.3302, 0.2704, 0.2843



56.3302, 0.3678, 0.3587



56.3302, 0.2637, 0.3181

# Square

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



56.3302, 0.3678, 0.3587



56.3302, 0.3044, 0.3675



56.3302, 0.2604, 0.2962



56.3302, 0.3192, 0.2945



# Rectangle

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



56.3302, 0.3678, 0.3587



56.3302, 0.3411, 0.3788



56.3302, 0.2604, 0.2962



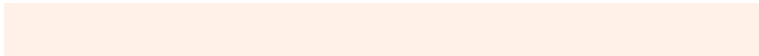
56.3302, 0.2834, 0.2828

# Sweetspot

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



56.3328, 0.3678, 0.3587



90.0465, 0.3275, 0.3379



47.7775, 0.3378, 0.2835



18.9454, 0.3301, 0.3394



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.



56.3328, 0.3678, 0.3587



66.5321, 0.3812, 0.3647



71.9374, 0.3582, 0.3930



15.2935, 0.3283, 0.3383



13.9330, 0.5711, 0.3848



1.2064, 0.5442, 0.4061



# Inverse Universe

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



56.8252, 0.2678, 0.2972



67.2326, 0.2593, 0.2901



43.0023, 0.2634, 0.2557



15.3346, 0.2981, 0.3195



14.0174, 0.1875, 0.1950



1.2156, 0.1935, 0.2167



# Previews

## White Background



This preview shows how the Yxy color 56.3302, 0.3678, 0.3587 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 56.3302, 0.3678, 0.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

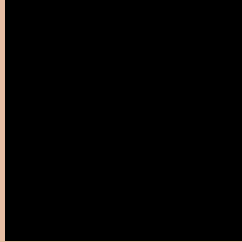
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.3302, 0.3678, 0.3587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3302, 0.3678, 0.3587.



This preview shows how white text looks on a background with the Yxy color 56.3302, 0.3678, 0.3587.

# 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

56.3302, 0.3678, 0.3587

### Protanopia

56.6252, 0.3436, 0.3652

### Deuteranopia

56.1653, 0.3669, 0.3588



## Tritanopia

56.3139, 0.3430, 0.3136

# Trichromacy



## Original Color

56.3302, 0.3678, 0.3587

## Protanomaly

56.4192, 0.3518, 0.3622

## Deuteranomaly

56.1653, 0.3669, 0.3588

## Tritanomaly

56.4095, 0.3526, 0.3302

# Monochromacy



## Original Color

56.3302, 0.3678, 0.3587

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

56.7267, 0.3316, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3302, 0.3678, 0.3587 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(230, 190, 164)` looks like.

```
.text, #text, p{  
    color:rgb(230, 190, 164)  
}
```

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(230, 190, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 190, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3302, 0.3678, 0.3587 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(230, 190, 164) }
```

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

```
.border{ border-color:rgb(230, 190, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 190, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 190, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 190, 164);  
box-shadow:4px 4px 4px 4px rgb(230, 190,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3302, 0.3678, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 190, 164) }
```

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

```
.background{ background-color: rgb(230,  
190, 164) }
```

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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