

# Converting Colors

$Yxy(65.7916, 0.3558, 0.3713)$

Have a look what the booklet for  
Yxy(65.7916, 0.3558, 0.3713)  
contains.

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# Color

**Yxy(65.8947, 0.3558, 0.3714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6D2AC
RGB	230, 210, 172
RGB Percent	90%, 82%, 67%
CMY	0.0980, 0.1765, 0.3256
CMYK	0.00, 0.09, 0.25, 0.10
HSL	39°, 54%, 79%
HSV	39°, 25%, 90%
XYZ	63.1269, 65.8947, 48.4008
YIQ	211.6480, 24.1180, -7.5780

# Conversions

## Conversions Part 2

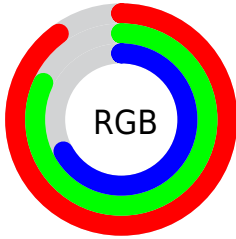
Format	Color
R <sub>Y</sub> B	203, 230, 172
Decimal	15127212
CIE Lab	84.94, 1.15, 21.40
CIE LCh	85, 21.432, 86.936
Yxy	65.8947, 0.3558, 0.3714
Android (android.graphics.Color)	4293317292 (0xFFE6D2AC)
YUV	211.6480, -19.5465, 16.0947
Hunter-Lab	81.1756, -3.2451, 21.4713

# Details

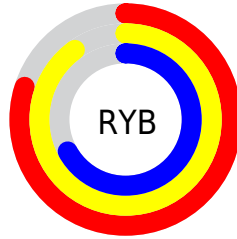
The Yxy color **65.8947, 0.3558, 0.3714** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.1684, 0.2716, 0.2826**, and the grayscale version is **65.7136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **34.1317, 0.3658, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **61.2702, 0.3756, 0.3888**, and if you desaturate by 10%, it is **70.8721, 0.3375, 0.3541**.

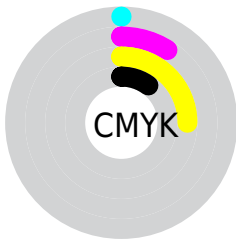
# Distribution



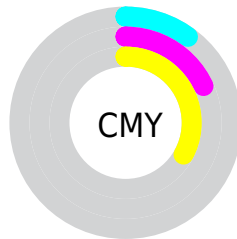
- Red (90%)
- Green (82%)
- Blue (67%)



- Red (80%)
- Yellow (90%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (10%)




- Cyan (10%)
- Magenta (18%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8947, 0.3558, 0.3714 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 65.8947, 0.3558, 0.3714 by changing the saturation by 10% instead.




 65.8947, 0.3558,  
0.3714

 65.8947, 0.3558,  
0.3714


446.0002, 0.3355,  
0.3516

 48.1869, 0.3605,  
0.3760

 113.3352, 0.3487,  
0.3645

 33.9749, 0.3663,  
0.3816


143.8367, 0.3460,  
0.3618

 22.8743, 0.3736,  
0.3887


179.3716, 0.3436,  
0.3595

 14.5008, 0.3832,  
0.3980

220.3242, 0.3416,  
0.3575

 8.4698, 0.3962,  
0.4104

267.0790, 0.3398,  
0.3557

 4.3970, 0.4146,  
0.4278

320.0203, 0.3382,

 1.8980, 0.4566,

0.3542

0.4682

379.5326, 0.3368,  
0.3528

0.5472, 0.5004,  
0.4996

0.0000, 0.0000,  
0.0000

65.8947, 0.3558,  
0.3714

65.8947, 0.3558,  
0.3714

61.2702, 0.3756,  
0.3888

70.8721, 0.3375,  
0.3541

56.9790, 0.3967,  
0.4056

76.2036, 0.3208,  
0.3374

53.0128, 0.4182,  
0.4208

81.9016, 0.3058,  
0.3216

49.3590, 0.4396,  
0.4334

87.3840, 0.2975,  
0.3156

■ 46.0040, 0.4596,  
0.4422

■ 92.1998, 0.2975,  
0.3236

■ 42.9324, 0.4772,  
0.4461

■ 95.5658, 0.2976,  
0.3290

■ 40.1257, 0.4916,  
0.4449

■ 38.8701, 0.4977,  
0.4431

# Harmonies

## Analogous

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



65.8947, 0.3657, 0.3553



65.8947, 0.3558, 0.3714



65.8947, 0.3344, 0.3764

# Triad

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



65.8947, 0.3558, 0.3714



65.8947, 0.2669, 0.3213



65.8947, 0.3159, 0.2944

# Complementary

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



65.8947, 0.3558, 0.3714



52.1684, 0.2716, 0.2826

# 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.



65.8947, 0.2898, 0.2854



65.8947, 0.3558, 0.3714



65.8947, 0.2624, 0.2996

# Square

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



65.8947, 0.3558, 0.3714



65.8947, 0.2832, 0.3467



65.8947, 0.2706, 0.2870



65.8947, 0.3422, 0.3117



# Rectangle

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



65.8947, 0.3558, 0.3714



65.8947, 0.3168, 0.3720



65.8947, 0.2706, 0.2870



65.8947, 0.3069, 0.2904

# Sweetspot

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



65.8977, 0.3558, 0.3714



94.3499, 0.3253, 0.3420



50.1341, 0.3476, 0.3061



19.9745, 0.3278, 0.3445



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.



65.8977, 0.3558, 0.3714



80.3276, 0.3654, 0.3800



75.0008, 0.3443, 0.3933



15.9367, 0.3276, 0.3444



22.2388, 0.4961, 0.4443



1.8149, 0.4820, 0.4555



# Inverse Universe

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



52.1684, 0.2716, 0.2826



60.3456, 0.2629, 0.2720



44.9880, 0.2759, 0.2585



14.6955, 0.2981, 0.3132



6.6293, 0.1643, 0.1113

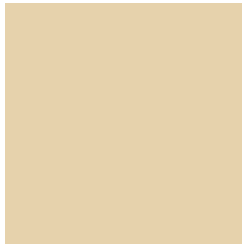


0.6582, 0.1724, 0.1406



# Previews

## White Background



This preview shows how the Yxy color 65.8947, 0.3558, 0.3714 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

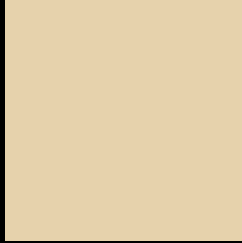
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.8947, 0.3558, 0.3714 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

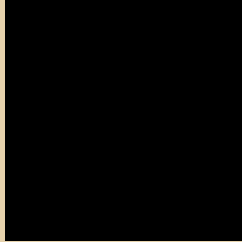
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

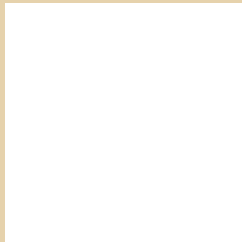
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.8947, 0.3558, 0.3714**

## Background



This preview shows how black text looks on a background with the Yxy color 65.8947, 0.3558, 0.3714.



This preview shows how white text looks on a background with the Yxy color 65.8947, 0.3558, 0.3714.

# 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

65.8947, 0.3558, 0.3714

### Protanopia

66.1116, 0.3505, 0.3729

### Deuteranopia

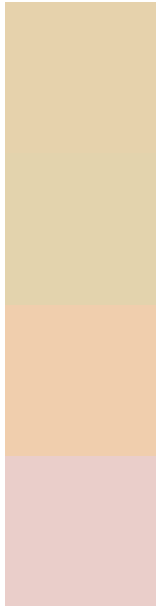
65.7957, 0.3697, 0.3622



## Tritanopia

65.6592, 0.3266, 0.3120

# Trichromacy



## Original Color

65.8947, 0.3558, 0.3714

## Protanomaly

65.9366, 0.3524, 0.3716

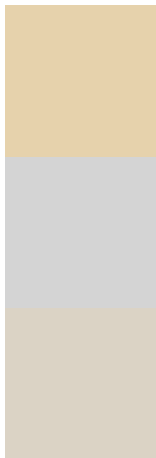
## Deuteranomaly

65.6850, 0.3642, 0.3649

## Tritanomaly

65.8993, 0.3373, 0.3334

# Monochromacy



## Original Color

65.8947, 0.3558, 0.3714

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.6798, 0.3286, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8947, 0.3558, 0.3714 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, 210, 172)` looks like.

```
.text, #text, p{  
    color:rgb(230, 210, 172)  
}
```

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, 210, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 210, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8947, 0.3558, 0.3714 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, 210, 172) }
```

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

```
.border{ border-color:rgb(230, 210, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 210, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 210, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 210, 172);  
box-shadow:4px 4px 4px 4px rgb(230, 210,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8947, 0.3558, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 210, 172) }
```

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

```
.background{ background-color: rgb(230,  
210, 172) }
```

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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