

# Converting Colors

$Y_{xy}(65.7791, 0.3656, 0.4030)$

Have a look what the booklet for  
Yxy(65.7791, 0.3656, 0.4030)  
contains.

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# Color

**Yxy(65.9192, 0.3663, 0.4036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFD694
RGB	223, 214, 148
RGB Percent	87%, 84%, 58%
CMY	0.1254, 0.1608, 0.4197
CMYK	0.00, 0.04, 0.34, 0.13
HSL	53°, 54%, 73%
HSV	53°, 34%, 87%
XYZ	59.8271, 65.9192, 37.5818
YIQ	209.1670, 26.5500, -18.6180

# Conversions

## Conversions Part 2

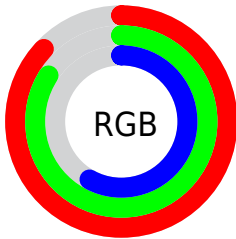
Format	Color
<b>RYB</b>	158, 223, 148
Decimal	14669460
CIELab	84.96, -6.65, 33.77
CIELCh	85, 34.416, 101.135
Yxy	65.9192, 0.3663, 0.4036
Android (android.graphics.Color)	4292859540 (0xFFDFD694)
YUV	209.1670, -30.1553, 12.1315
Hunter-Lab	81.1906, -10.5521, 29.3891

# Details

The Yxy color **65.9192, 0.3663, 0.4036** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.7406, 0.2539, 0.2414**, and the grayscale version is **64.0654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **33.8563, 0.3792, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **63.9367, 0.3826, 0.4250**, and if you desaturate by 10%, it is **68.0661, 0.3498, 0.3812**.

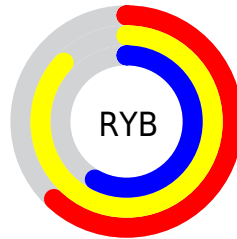
# Distribution



Red (87%)

Green (84%)

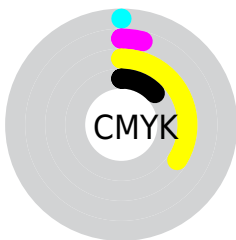
Blue (58%)



Red (62%)

Yellow (87%)

Blue (58%)

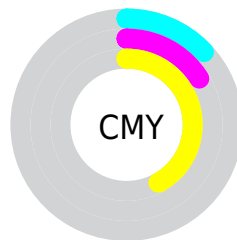


Cyan (0%)

Magenta (4%)

Yellow (34%)

Black (13%)



Cyan (13%)

Magenta (16%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9192, 0.3663, 0.4036 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 65.9192, 0.3663, 0.4036 by changing the saturation by 10% instead.




 65.9192, 0.3663,  
0.4036

 65.9192, 0.3663,  
0.4036

446.0879, 0.3417,  
0.3684

 48.2068, 0.3717,  
0.4117

 113.3704, 0.3579,  
0.3913

 33.9907, 0.3783,  
0.4217


 143.8779, 0.3546,  
0.3865

 22.8865, 0.3864,  
0.4342


179.4193, 0.3517,  
0.3824

 14.5097, 0.3964,  
0.4503

220.3790, 0.3492,  
0.3789

 8.4760, 0.4087,  
0.4715

267.1412, 0.3470,  
0.3758

 4.4010, 0.4248,  
0.5015

320.0906, 0.3450,

 1.9003, 0.4492,

0.3730

0.5508

379.6113, 0.3433,  
0.3706

■ 0.5486, 0.3957,  
0.6043

■ 0.0000, 0.0000,  
0.0000

■ 65.9192, 0.3663,  
0.4036

■ 65.9192, 0.3663,  
0.4036

■ 63.9367, 0.3826,  
0.4250

■ 68.0661, 0.3498,  
0.3812

■ 62.1017, 0.3981,  
0.4445


■ 70.3757, 0.3336,  
0.3588

■ 60.4083, 0.4121,  
0.4611


■ 72.8578, 0.3181,  
0.3368


■ 58.8469, 0.4239,  
0.4739


■ 75.5188, 0.3036,  
0.3158

 57.4060, 0.4331,  
0.4823

 78.0717, 0.2928,  
0.3005

 56.0720, 0.4395,  
0.4862

 79.5533, 0.2929,  
0.3033

 55.2655, 0.4425,  
0.4869

 81.0578, 0.2929,  
0.3061

 82.5854, 0.2930,  
0.3089

 84.1362, 0.2931,  
0.3117

# Harmonies

## Analogous

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



65.9192, 0.3928, 0.3831



65.9192, 0.3663, 0.4036



65.9192, 0.3264, 0.4031

# Triad

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



65.9192, 0.3663, 0.4036



65.9192, 0.2351, 0.2975



65.9192, 0.3380, 0.2864

# Complementary

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



65.9192, 0.3663, 0.4036



35.7406, 0.2539, 0.2414

# 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.



65.9192, 0.2945, 0.2661



65.9192, 0.3663, 0.4036



65.9192, 0.2376, 0.2702

# Square

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



65.9192, 0.3663, 0.4036



65.9192, 0.2516, 0.3373



65.9192, 0.2585, 0.2599



65.9192, 0.3766, 0.3166



# Rectangle

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



65.9192, 0.3663, 0.4036



65.9192, 0.2979, 0.3888



65.9192, 0.2585, 0.2599



65.9192, 0.3234, 0.2783

# Sweetspot

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



65.9222, 0.3663, 0.4036



96.5247, 0.3280, 0.3508



39.3358, 0.3807, 0.3173



20.5599, 0.3302, 0.3540



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.



65.9222, 0.3663, 0.4036



87.5042, 0.3772, 0.4180



66.5940, 0.3420, 0.4189



15.7335, 0.3270, 0.3494



32.5996, 0.4421, 0.4872



2.3400, 0.4381, 0.4904



# Inverse Universe

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



35.7406, 0.2539, 0.2414



40.9973, 0.2405, 0.2206



35.6770, 0.2745, 0.2349



13.5074, 0.2981, 0.3077



3.6746, 0.1526, 0.0692

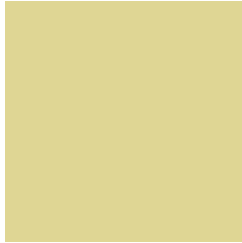


0.3436, 0.1583, 0.0897



# Previews

## White Background



This preview shows how the Yxy color 65.9192, 0.3663, 0.4036 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 65.9192, 0.3663, 0.4036 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

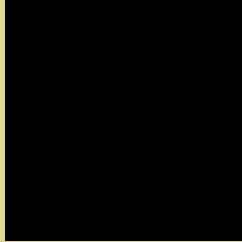
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9192, 0.3663, 0.4036**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9192, 0.3663, 0.4036.



This preview shows how white text looks on a background with the Yxy color 65.9192, 0.3663, 0.4036.

# 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

65.9192, 0.3663, 0.4036

### Protanopia

65.8516, 0.3725, 0.4014

### Deuteranopia

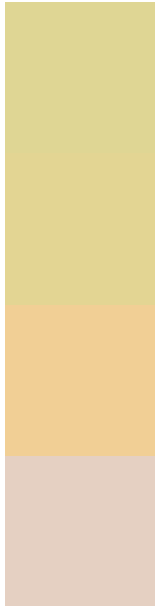
65.6093, 0.3928, 0.3846



## Tritanopia

66.0389, 0.3219, 0.3119

# Trichromacy



## Original Color

65.9192, 0.3663, 0.4036

## Protanomaly

66.0260, 0.3706, 0.4028

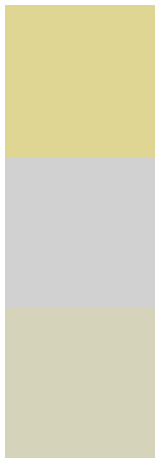
## Deuteranomaly

65.4963, 0.3828, 0.3917

## Tritanomaly

65.6648, 0.3390, 0.3446

# Monochromacy



## Original Color

65.9192, 0.3663, 0.4036

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.4725, 0.3319, 0.3567

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9192, 0.3663, 0.4036 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(223, 214, 148)` looks like.

```
.text, #text, p{  
    color:rgb(223, 214, 148)  
}
```

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(223, 214, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 214, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9192, 0.3663, 0.4036 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(223, 214, 148) }
```

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

```
.border{ border-color:rgb(223, 214, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 214, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 214, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 214, 148);  
box-shadow:4px 4px 4px 4px rgb(223, 214,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9192, 0.3663, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 214, 148) }
```

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

```
.background{ background-color: rgb(223,  
214, 148) }
```

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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