

# Converting Colors

$Yxy(65.6105, 0.3467, 0.3708)$

Have a look what the booklet for  
Yxy(65.6105, 0.3467, 0.3708)  
contains.

<b>Yxy(65.7117, 0.3467, 0.3710)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(65.7117, 0.3467, 0.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED4AF
RGB	222, 212, 175
RGB Percent	87%, 83%, 69%
CMY	0.1294, 0.1686, 0.3137
CMYK	0.00, 0.05, 0.21, 0.13
HSL	47°, 42%, 78%
HSV	47°, 21%, 87%
XYZ	61.4077, 65.7117, 50.0011
YIQ	210.7720, 17.8370, -9.3870

# Conversions

## Conversions Part 2

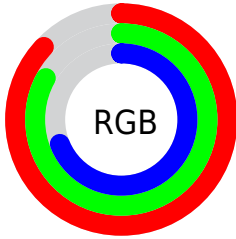
Format	Color
R <sub>Y</sub> B	188, 222, 175
Decimal	14603439
CIE Lab	84.85, -2.45, 19.58
CIE LCh	85, 19.729, 97.128
Yxy	65.7117, 0.3467, 0.3710
Android (android.graphics.Color)	4292793519 (0xFFDED4AF)
YUV	210.7720, -17.6356, 9.8470
Hunter-Lab	81.0628, -6.6403, 20.1727

# Details

The Yxy color **65.7117, 0.3467, 0.3710** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.0880, 0.2781, 0.2832**, and the grayscale version is **65.0951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **33.9659, 0.3546, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **62.5840, 0.3643, 0.3914**, and if you desaturate by 10%, it is **69.0578, 0.3300, 0.3508**.

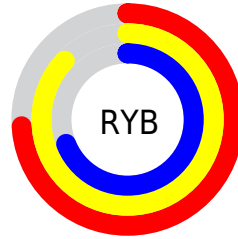
# Distribution



Red (87%)

Green (83%)

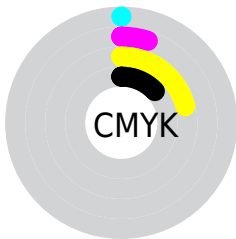
Blue (69%)



Red (74%)

Yellow (87%)

Blue (69%)

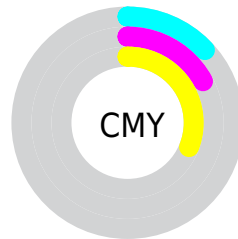


Cyan (0%)

Magenta (5%)

Yellow (21%)

Black (13%)



Cyan (13%)

Magenta (17%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7117, 0.3467, 0.3710 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 65.7117, 0.3467, 0.3710 by changing the saturation by 10% instead.



 65.7117, 0.3467,  
0.3710

 65.7117, 0.3467,  
0.3710

445.3451, 0.3308,  
0.3511

 48.0384, 0.3504,  
0.3756

 113.0724, 0.3411,  
0.3640

 33.8573, 0.3549,  
0.3814


143.5287, 0.3390,  
0.3613

 22.7840, 0.3607,  
0.3887


179.0147, 0.3371,  
0.3590

 14.4341, 0.3682,  
0.3984

219.9149, 0.3355,  
0.3570

 8.4232, 0.3783,  
0.4117

266.6136, 0.3341,  
0.3553

 4.3669, 0.3926,  
0.4308

319.4953, 0.3329,

 1.8809, 0.4234,

0.3537

0.4711

378.9443, 0.3318,  
0.3524

■ 0.5368, 0.4563,  
0.5437

■ 0.0000, 0.0000,  
0.0000

■ 65.7117, 0.3467,  
0.3710

■ 65.7117, 0.3467,  
0.3710

■ 62.5840, 0.3643,  
0.3914

■ 69.0578, 0.3300,  
0.3508

■ 59.6585, 0.3823,  
0.4114

■ 72.6207, 0.3145,  
0.3312

■ 56.9297, 0.4003,  
0.4299

■ 76.4100, 0.3002,  
0.3127

■ 54.3889, 0.4174,  
0.4460

■ 79.8522, 0.2922,  
0.3041

■ 52.0261, 0.4329,  
0.4586

■ 82.5326, 0.2924,  
0.3091

■ 49.8300, 0.4461,  
0.4669

■ 85.2849, 0.2925,  
0.3140

■ 47.7873, 0.4564,  
0.4705

■ 88.1098, 0.2926,  
0.3189

■ 46.0929, 0.4633,  
0.4703

■ 91.0078, 0.2927,  
0.3237

■ 93.9793, 0.2929,  
0.3285

# Harmonies

## Analogous

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



65.7117, 0.3599, 0.3593



65.7117, 0.3467, 0.3710



65.7117, 0.3246, 0.3712

# Triad

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



65.7117, 0.3467, 0.3710



65.7117, 0.2677, 0.3145



65.7117, 0.3243, 0.3017

# Complementary

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



65.7117, 0.3467, 0.3710



49.0880, 0.2781, 0.2832

# 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.



65.7117, 0.2994, 0.2905



65.7117, 0.3467, 0.3710



65.7117, 0.2675, 0.2969

# Square

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



65.7117, 0.3467, 0.3710



65.7117, 0.2793, 0.3375



65.7117, 0.2789, 0.2885



65.7117, 0.3468, 0.3197



# Rectangle

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



65.7117, 0.3467, 0.3710



65.7117, 0.3081, 0.3642



65.7117, 0.2789, 0.2885



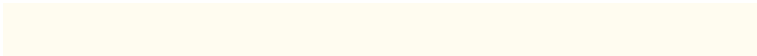
65.7117, 0.3159, 0.2971

# Sweetspot

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



65.7146, 0.3467, 0.3710



96.9927, 0.3219, 0.3406



49.7000, 0.3462, 0.3172



20.6918, 0.3229, 0.3419



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.



65.7146, 0.3467, 0.3710



88.1968, 0.3537, 0.3792



68.8542, 0.3345, 0.3834



15.5083, 0.3272, 0.3473



27.5424, 0.4625, 0.4709



2.0343, 0.4546, 0.4772



# Inverse Universe

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



49.0880, 0.2781, 0.2832



61.9064, 0.2709, 0.2732



46.6643, 0.2876, 0.2721



13.7139, 0.2981, 0.3100



4.4845, 0.1562, 0.0823



0.4411, 0.1640, 0.1105



# Previews

## White Background



This preview shows how the Yxy color 65.7117, 0.3467, 0.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

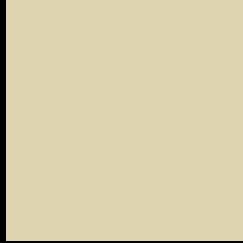
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7117, 0.3467, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

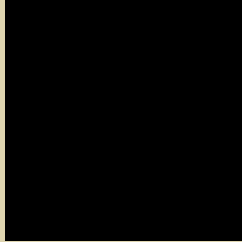
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

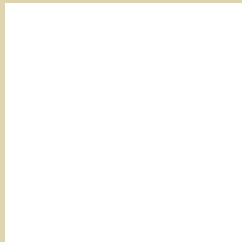
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.7117, 0.3467, 0.3710**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7117, 0.3467, 0.3710.



This preview shows how white text looks on a background with the Yxy color 65.7117, 0.3467, 0.3710.

# 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

65.7117, 0.3467, 0.3710

### Protanopia

65.5310, 0.3485, 0.3697

### Deuteranopia

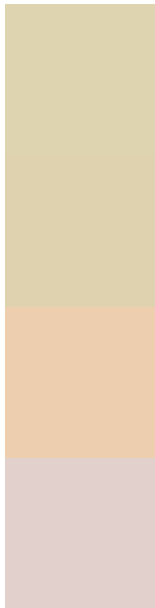
65.7725, 0.3657, 0.3580



## Tritanopia

65.9105, 0.3181, 0.3117

# Trichromacy



## Original Color

65.7117, 0.3467, 0.3710

## Protanomaly

65.3717, 0.3477, 0.3698

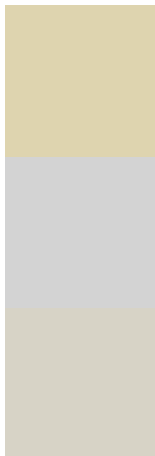
## Deuteranomaly

65.7648, 0.3592, 0.3630

## Tritanomaly

65.6883, 0.3286, 0.3324

# Monochromacy



## Original Color

65.7117, 0.3467, 0.3710

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.1128, 0.3248, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7117, 0.3467, 0.3710 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(222, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(222, 212, 175)  
}
```

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(222, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 212, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7117, 0.3467, 0.3710 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(222, 212, 175) }
```

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

```
.border{ border-color:rgb(222, 212, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 212, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(222, 212,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7117, 0.3467, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 212, 175) }
```

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

```
.background{ background-color: rgb(222,  
212, 175) }
```

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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