

# Converting Colors

$Yxy(66.6919, 0.3205, 0.3387)$

Have a look what the booklet for  
Yxy(66.6919, 0.3205, 0.3387)  
contains.

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# Color

**Yxy(66.5952, 0.3205, 0.3380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D5CD
RGB	216, 213, 205
RGB Percent	85%, 84%, 80%
CMY	0.1527, 0.1648, 0.1961
CMYK	0.00, 0.01, 0.05, 0.15
HSL	43°, 12%, 83%
HSV	43°, 5%, 85%
XYZ	63.1472, 66.5952, 67.2848
YIQ	212.9850, 4.3560, -1.8520

# Conversions

## Conversions Part 2

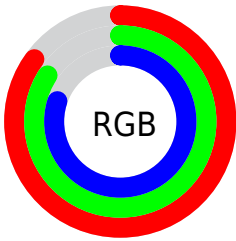
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 216, 205
Decimal	14210509
CIE Lab	85.30, -0.34, 4.30
CIE LCh	85, 4.315, 94.574
Yxy	66.5952, 0.3205, 0.3380
Android (android.graphics.Color)	4292400589 (0xFFD8D5CD)
YUV	212.9850, -3.9366, 2.6442
Hunter-Lab	81.6059, -4.6857, 8.2390

# Details

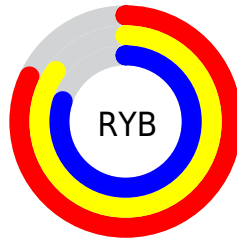
The Yxy color **66.5952, 0.3205, 0.3380** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0944, 0.3050, 0.3198**, and the grayscale version is **66.5610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.2652, 0.3220, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **62.6539, 0.3368, 0.3562**, and if you desaturate by 10%, it is **70.7988, 0.3057, 0.3207**.

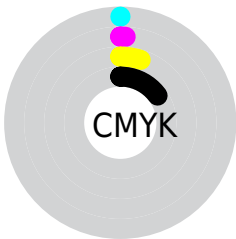
# Distribution



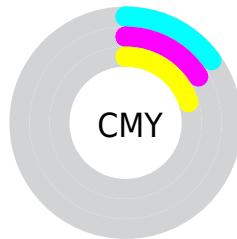
- Red (85%)
- Green (84%)
- Blue (80%)



- Red (82%)
- Yellow (85%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5952, 0.3205, 0.3380 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 66.5952, 0.3205, 0.3380 by changing the saturation by 10% instead.



■ 66.5952, 0.3205,  
0.3380

■ 66.5952, 0.3205,  
0.3380

448.5025, 0.3168,  
0.3338

■ 48.7557, 0.3214,  
0.3390

114.3402, 0.3192,  
0.3365

■ 34.4258, 0.3224,  
0.3402

145.0145, 0.3187,  
0.3359

■ 23.2209, 0.3238,  
0.3418

180.7359, 0.3183,  
0.3355

■ 14.7567, 0.3256,  
0.3439

221.8887, 0.3179,  
0.3350

■ 8.6488, 0.3281,  
0.3468

268.8574, 0.3176,  
0.3347

■ 4.5128, 0.3318,  
0.3511

322.0263, 0.3173,

■ 1.9644, 0.3378,

0.3343

0.3582

381.7799, 0.3171,  
0.3340

0.5866, 0.3726,  
0.3980

0.0000, 0.0000,  
0.0000

66.5952, 0.3205,  
0.3380

66.5952, 0.3205,  
0.3380

62.6539, 0.3368,  
0.3562

70.7988, 0.3057,  
0.3207

58.9590, 0.3544,  
0.3750

75.2627, 0.2922,  
0.3044

55.5062, 0.3732,  
0.3939

79.0043, 0.2885,  
0.3040

52.2872, 0.3926,  
0.4121

82.4326, 0.2887,  
0.3104

■ 49.2935, 0.4122,  
0.4286

■ 85.9779, 0.2890,  
0.3167

■ 46.5158, 0.4310,  
0.4424

■ 89.6414, 0.2892,  
0.3229

■ 43.9435, 0.4482,  
0.4524

■ 93.3491, 0.2895,  
0.3289

■ 41.5647, 0.4630,  
0.4579

■ 39.3650, 0.4746,  
0.4584

# Harmonies

## Analogous

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



66.5952, 0.3230, 0.3355



66.5952, 0.3205, 0.3380



66.5952, 0.3159, 0.3380

# Triad

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



66.5952, 0.3205, 0.3380



66.5952, 0.3028, 0.3265



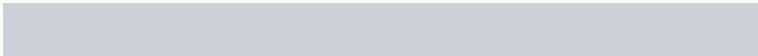
66.5952, 0.3149, 0.3226

# Complementary

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



66.5952, 0.3205, 0.3380



63.0944, 0.3050, 0.3198

# 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.



66.5952, 0.3095, 0.3202



66.5952, 0.3205, 0.3380



66.5952, 0.3025, 0.3224

# Square

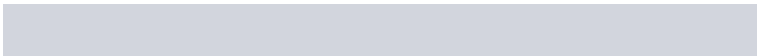
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5952, 0.3205, 0.3380



66.5952, 0.3057, 0.3314



66.5952, 0.3050, 0.3201



66.5952, 0.3198, 0.3267



# Rectangle

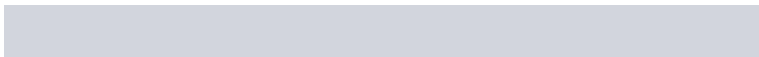
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.5952, 0.3205, 0.3380



66.5952, 0.3123, 0.3367



66.5952, 0.3050, 0.3201



66.5952, 0.3131, 0.3216

# Sweetspot

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



66.5981, 0.3205, 0.3380



98.7728, 0.3157, 0.3325



62.8343, 0.3189, 0.3255



21.1544, 0.3156, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

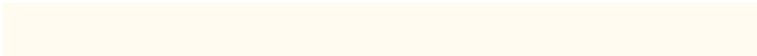


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5981, 0.3205, 0.3380



96.3642, 0.3220, 0.3397



67.8006, 0.3185, 0.3415



14.1499, 0.3228, 0.3406



22.8709, 0.4785, 0.4583

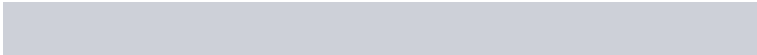


1.5155, 0.4660, 0.4682



# Inverse Universe

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



63.0944, 0.3050, 0.3198



90.3713, 0.3035, 0.3181



61.9488, 0.3068, 0.3163



13.1926, 0.3027, 0.3171



5.0153, 0.1599, 0.0958

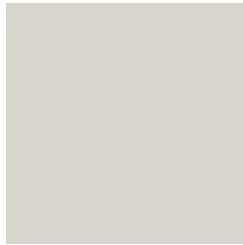


0.4418, 0.1695, 0.1303



# Previews

## White Background



This preview shows how the Yxy color 66.5952, 0.3205, 0.3380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

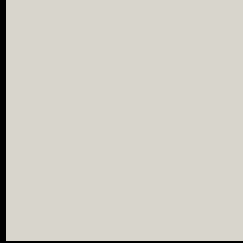
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5952, 0.3205, 0.3380 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

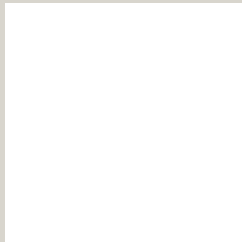
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.5952, 0.3205, 0.3380**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5952, 0.3205, 0.3380.

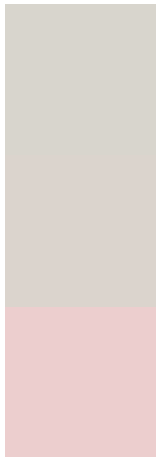


This preview shows how white text looks on a background with the Yxy color 66.5952, 0.3205, 0.3380.

# 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

66.5952, 0.3205, 0.3380

### Protanopia

66.5548, 0.3228, 0.3369

### Deuteranopia

66.4317, 0.3359, 0.3291



## Tritanopia

66.6442, 0.3084, 0.3115

# Trichromacy



## Original Color

66.5952, 0.3205, 0.3380

## Protanomaly

66.4002, 0.3220, 0.3369

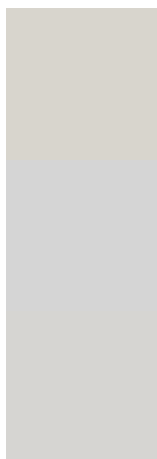
## Deuteranomaly

66.7152, 0.3300, 0.3323

## Tritanomaly

66.5559, 0.3131, 0.3213

# Monochromacy



## Original Color

66.5952, 0.3205, 0.3380

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.5378, 0.3155, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5952, 0.3205, 0.3380 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(216, 213, 205) looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 205)  
}
```

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(216, 213, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5952, 0.3205, 0.3380 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(216, 213, 205) }
```

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

```
.border{ border-color:rgb(216, 213, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 213, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 213, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 213, 205);  
box-shadow:4px 4px 4px 4px rgb(216, 213,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5952, 0.3205, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 205) }
```

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

```
.background{ background-color: rgb(216,  
213, 205) }
```

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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