

# Converting Colors

Yxy(65.7524, 0.3165, 0.3323)

Have a look what the booklet for  
Yxy(65.7524, 0.3165, 0.3323)  
contains.

<b>Yxy(65.9866, 0.3163, 0.3324)</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(65.9866, 0.3163, 0.3324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6D4D1
RGB	214, 212, 209
RGB Percent	84%, 83%, 82%
CMY	0.1606, 0.1686, 0.1804
CMYK	0.00, 0.01, 0.02, 0.16
HSL	36°, 6%, 83%
HSV	36°, 2%, 84%
XYZ	62.7905, 65.9866, 69.7385
YIQ	212.2560, 2.1550, -0.5090

# Conversions

## Conversions Part 2

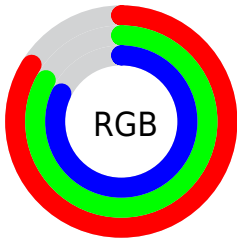
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 214, 209
Decimal	14079185
CIE Lab	84.99, 0.17, 1.72
CIE LCh	85, 1.729, 84.458
Yxy	65.9866, 0.3163, 0.3324
Android (android.graphics.Color)	4292269265 (0xFFD6D4D1)
YUV	212.2560, -1.6052, 1.5295
Hunter-Lab	81.2321, -4.1800, 5.9615

# Details

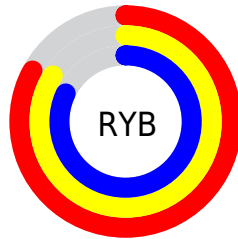
The Yxy color **65.9866, 0.3163, 0.3324** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0140, 0.3092, 0.3256**, and the grayscale version is **66.0317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.8514, 0.3165, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **60.7856, 0.3326, 0.3473**, and if you desaturate by 10%, it is **71.5679, 0.3018, 0.3184**.

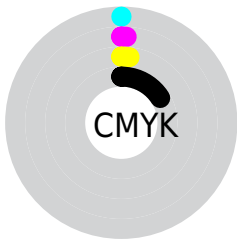
# Distribution



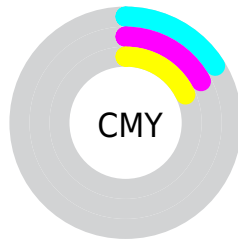
- Red (84%)
- Green (83%)
- Blue (82%)



- Red (83%)
- Yellow (84%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (16%)



- Cyan (16%)
- Magenta (17%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9866, 0.3163, 0.3324 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 65.9866, 0.3163, 0.3324 by changing the saturation by 10% instead.



■ 65.9866, 0.3163,  
0.3324

■ 65.9866, 0.3163,  
0.3324

446.3290, 0.3146,  
0.3308

■ 48.2615, 0.3167,  
0.3328

113.4671, 0.3157,  
0.3318

■ 34.0340, 0.3172,  
0.3332

143.9913, 0.3155,  
0.3316

■ 22.9198, 0.3178,  
0.3338

179.5507, 0.3153,  
0.3314

■ 14.5343, 0.3186,  
0.3346

220.5296, 0.3151,  
0.3313

■ 8.4932, 0.3198,  
0.3357

267.3125, 0.3150,  
0.3311

■ 4.4121, 0.3215,  
0.3373

320.2838, 0.3148,

■ 1.9067, 0.3244,

0.3310

0.3400

379.8278, 0.3147,  
0.3309

0.5524, 0.3386,  
0.3535

0.0000, 0.0000,  
0.0000

65.9866, 0.3163,  
0.3324

65.9866, 0.3163,  
0.3324

60.7856, 0.3326,  
0.3473

71.5679, 0.3018,  
0.3184

55.9472, 0.3509,  
0.3630

77.5299, 0.2890,  
0.3053

51.4645, 0.3710,  
0.3789

82.6557, 0.2876,  
0.3113

47.3272, 0.3929,  
0.3945

87.8193, 0.2879,  
0.3203

■ 43.5246, 0.4160,  
0.4090

■ 93.0422, 0.2883,  
0.3289

■ 40.0448, 0.4396,  
0.4213

■ 36.8751, 0.4627,  
0.4302

■ 34.0015, 0.4840,  
0.4345

■ 31.4076, 0.5022,  
0.4336

# Harmonies

## Analogous

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



65.9866, 0.3169, 0.3312



65.9866, 0.3163, 0.3324



65.9866, 0.3147, 0.3327

# Triad

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



65.9866, 0.3163, 0.3324



65.9866, 0.3090, 0.3287



65.9866, 0.3129, 0.3260

# Complementary

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



65.9866, 0.3163, 0.3324



65.0140, 0.3092, 0.3256

# 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.



65.9866, 0.3107, 0.3253



65.9866, 0.3163, 0.3324



65.9866, 0.3085, 0.3269

# Square

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



65.9866, 0.3163, 0.3324



65.9866, 0.3105, 0.3306



65.9866, 0.3092, 0.3256



65.9866, 0.3150, 0.3275



# Rectangle

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



65.9866, 0.3163, 0.3324



65.9866, 0.3133, 0.3324



65.9866, 0.3092, 0.3256



65.9866, 0.3121, 0.3257

# Sweetspot

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



65.9894, 0.3163, 0.3324



99.1804, 0.3142, 0.3305



64.6038, 0.3150, 0.3266



21.2373, 0.3142, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

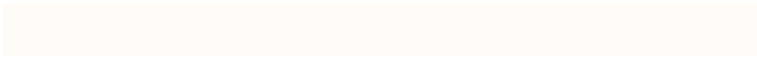


# Same Dimension

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



65.9894, 0.3163, 0.3324



97.5582, 0.3173, 0.3334



66.9550, 0.3158, 0.3347



14.2856, 0.3185, 0.3345



18.0907, 0.5124, 0.4314



1.2517, 0.4920, 0.4475

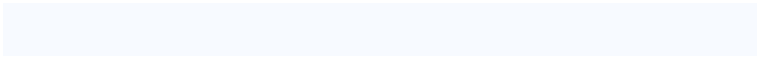


# Inverse Universe

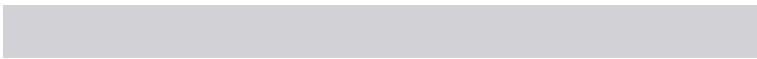
The Inverse Universe completely reimagines the original color for something new.



65.0140, 0.3092, 0.3256



95.7059, 0.3081, 0.3246



64.0657, 0.3095, 0.3232



13.9479, 0.3070, 0.3235



7.2056, 0.1691, 0.1286

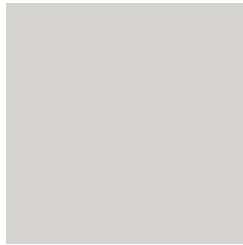


0.5948, 0.1787, 0.1631



# Previews

## White Background



This preview shows how the Yxy color 65.9866, 0.3163, 0.3324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

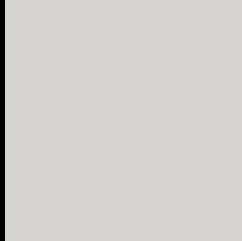
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9866, 0.3163, 0.3324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

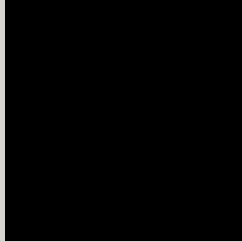
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

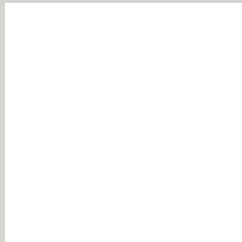
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.9866, 0.3163, 0.3324**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9866, 0.3163, 0.3324.

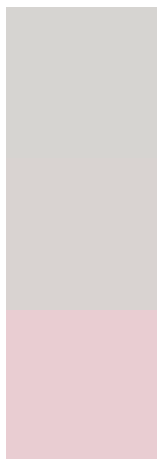


This preview shows how white text looks on a background with the Yxy color 65.9866, 0.3163, 0.3324.

# 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

65.9866, 0.3163, 0.3324

### Protanopia

65.9437, 0.3186, 0.3313

### Deuteranopia

65.6394, 0.3307, 0.3236



## Tritanopia

65.8436, 0.3070, 0.3103

# Trichromacy



## Original Color

65.9866, 0.3163, 0.3324

## Protanomaly

65.7909, 0.3178, 0.3313

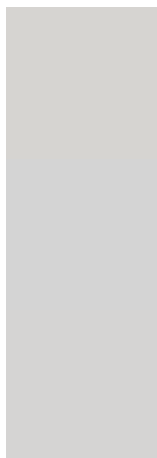
## Deuteranomaly

65.9336, 0.3250, 0.3268

## Tritanomaly

65.8594, 0.3103, 0.3179

# Monochromacy



## Original Color

65.9866, 0.3163, 0.3324

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.9362, 0.3141, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  65.9866, 0.3163, 0.3324 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(214, 212, 209)` looks like.

```
.text, #text, p{  
    color:rgb(214, 212, 209)  
}
```

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(214, 212, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 212, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9866, 0.3163, 0.3324 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(214, 212, 209) }
```

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

```
.border{ border-color:rgb(214, 212, 209) }
```

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

Here you see how a box with a 4 pixel rgb(214, 212, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 212, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 212, 209);  
box-shadow:4px 4px 4px 4px rgb(214, 212,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9866, 0.3163, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 212, 209) }
```

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

```
.background{ background-color: rgb(214,  
212, 209) }
```

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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