

# Converting Colors

Yxy(64.2368, 0.3223, 0.3352)

Have a look what the booklet for  
Yxy(64.2368, 0.3223, 0.3352)  
contains.

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# Color

**Yxy(64.0225, 0.3223, 0.3347)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8D0CB
RGB	216, 208, 203
RGB Percent	85%, 82%, 80%
CMY	0.1530, 0.1843, 0.2039
CMYK	0.00, 0.04, 0.06, 0.15
HSL	23°, 14%, 82%
HSV	23°, 6%, 85%
XYZ	61.6506, 64.0225, 65.6102
YIQ	209.8220, 6.3730, 0.1410

# Conversions

## Conversions Part 2

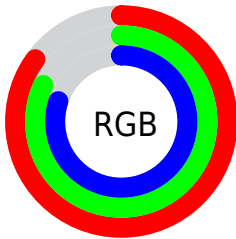
Format	Color
<a href="#">RYB</a>	<a href="#">216, 211, 203</a>
Decimal	<a href="#">14209227</a>
CIELab	<a href="#">83.98, 1.88, 3.45</a>
CIElCh	<a href="#">84, 3.926, 61.418</a>
Yxy	<a href="#">64.0225, 0.3223, 0.3347</a>
Android (android.graphics.Color)	<a href="#">4292399307</a> ( <a href="#">0xFFD8D0CB</a> )
YUV	<a href="#">209.8220, -3.3632, 5.4181</a>
Hunter-Lab	<a href="#">80.0141, -2.4909, 7.3931</a>

# Details

The Yxy color **64.0225, 0.3223, 0.3347** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2312, 0.3035, 0.3232**, and the grayscale version is **64.3456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.8582, 0.3244, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **56.8645, 0.3404, 0.3447**, and if you desaturate by 10%, it is **71.8708, 0.3068, 0.3254**.

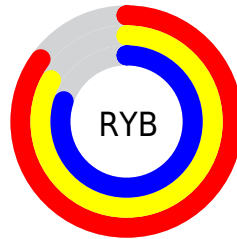
# Distribution



Red (85%)

Green (82%)

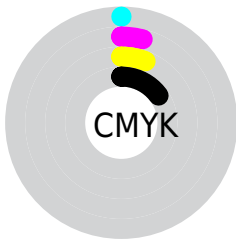
Blue (80%)



Red (85%)

Yellow (83%)

Blue (80%)

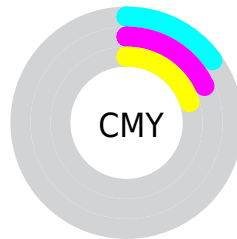


Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (15%)



Cyan (15%)

Magenta (18%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0225, 0.3223, 0.3347 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 64.0225, 0.3223, 0.3347 by changing the saturation by 10% instead.



■ 64.0225, 0.3223,  
0.3347

■ 64.0225, 0.3223,  
0.3347

439.2709, 0.3178,  
0.3320

■ 46.6689, 0.3234,  
0.3353

110.6433, 0.3207,  
0.3338

■ 32.7740, 0.3247,  
0.3361

140.6794, 0.3201,  
0.3334

■ 21.9534, 0.3264,  
0.3371

175.7117, 0.3196,  
0.3331

■ 13.8226, 0.3287,  
0.3384

216.1246, 0.3191,  
0.3328

■ 7.9974, 0.3319,  
0.3403

262.3026, 0.3187,  
0.3326

■ 4.0933, 0.3368,  
0.3430

314.6301, 0.3183,

■ 1.7259, 0.3449,

0.3324

0.3475

373.4914, 0.3180,  
0.3322

0.4403, 0.4062,  
0.3852

0.0000, 0.0000,  
0.0000

64.0225, 0.3223,  
0.3347

64.0225, 0.3223,  
0.3347

56.8645, 0.3404,  
0.3447

71.8708, 0.3068,  
0.3254

50.3693, 0.3615,  
0.3552

80.4192, 0.2936,  
0.3167

44.5197, 0.3858,  
0.3658

88.8361, 0.2891,  
0.3216

39.2946, 0.4134,  
0.3759

93.3363, 0.2894,  
0.3289

■ 34.6718, 0.4441,  
0.3849

■ 30.6274, 0.4767,  
0.3914

■ 27.1358, 0.5096,  
0.3943

■ 24.1687, 0.5403,  
0.3923

■ 21.6942, 0.5661,  
0.3850

# Harmonies

## Analogous

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



64.0225, 0.3218, 0.3308



64.0225, 0.3223, 0.3347



64.0225, 0.3202, 0.3372

# Triad

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



64.0225, 0.3223, 0.3347



64.0225, 0.3067, 0.3316



64.0225, 0.3092, 0.3208

# Complementary

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



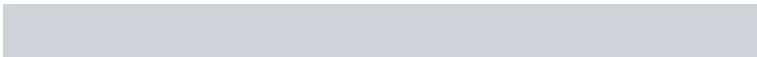
64.0225, 0.3223, 0.3347



64.2312, 0.3035, 0.3232

# 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.



64.0225, 0.3052, 0.3209



64.0225, 0.3223, 0.3347



64.0225, 0.3038, 0.3272

# Square

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



64.0225, 0.3223, 0.3347



64.0225, 0.3112, 0.3354



64.0225, 0.3032, 0.3233



64.0225, 0.3142, 0.3228



# Rectangle

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



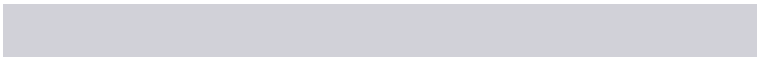
64.0225, 0.3223, 0.3347



64.0225, 0.3177, 0.3376



64.0225, 0.3032, 0.3233



64.0225, 0.3077, 0.3206

# Sweetspot

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



64.0253, 0.3223, 0.3347



97.6933, 0.3158, 0.3309



62.0140, 0.3170, 0.3200



20.9346, 0.3157, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

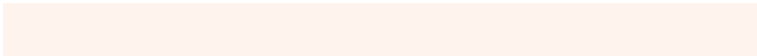


# Same Dimension

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



64.0253, 0.3223, 0.3347



92.1057, 0.3241, 0.3357



67.2391, 0.3217, 0.3419



13.4946, 0.3249, 0.3362



12.5259, 0.5727, 0.3835



0.9135, 0.5405, 0.4090

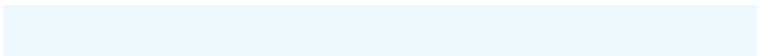


# Inverse Universe

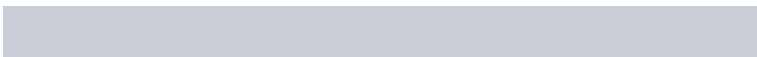
The Inverse Universe completely reimagines the original color for something new.



64.2312, 0.3035, 0.3232



92.4558, 0.3019, 0.3222



61.0869, 0.3036, 0.3157



13.5494, 0.3011, 0.3217



13.0275, 0.1884, 0.1982

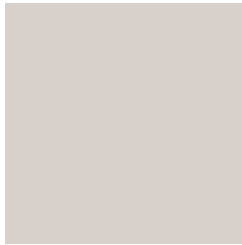


0.9440, 0.1954, 0.2233



# Previews

## White Background



This preview shows how the Yxy color 64.0225, 0.3223, 0.3347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

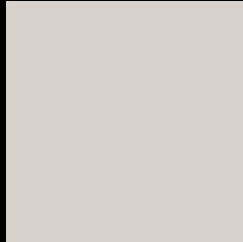
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0225, 0.3223, 0.3347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

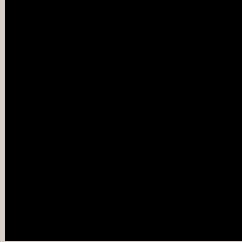
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0225, 0.3223, 0.3347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0225, 0.3223, 0.3347.

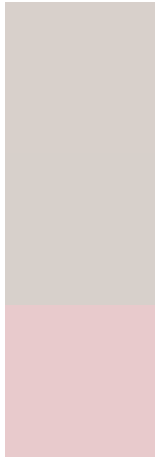


This preview shows how white text looks on a background with the Yxy color 64.0225, 0.3223, 0.3347.

# 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

64.0225, 0.3223, 0.3347

### Protanopia

63.8706, 0.3216, 0.3347

### Deuteranopia

63.7565, 0.3348, 0.3269



## Tritanopia

63.9432, 0.3120, 0.3113

# Trichromacy



## Original Color

64.0225, 0.3223, 0.3347

## Protanomaly

63.8706, 0.3216, 0.3347

## Deuteranomaly

63.7141, 0.3298, 0.3291

## Tritanomaly

63.9031, 0.3162, 0.3201

# Monochromacy



## Original Color

64.0225, 0.3223, 0.3347

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.1030, 0.3164, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0225, 0.3223, 0.3347 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, 208, 203)` looks like.

```
.text, #text, p{  
    color:rgb(216, 208, 203)  
}
```

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, 208, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 208, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0225, 0.3223, 0.3347 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, 208, 203) }
```

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

```
.border{ border-color:rgb(216, 208, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 208, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 208, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 208, 203);  
box-shadow:4px 4px 4px 4px rgb(216, 208,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0225, 0.3223, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 208, 203) }
```

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

```
.background{ background-color: rgb(216,  
208, 203) }
```

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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