

# Converting Colors

Yxy(67.0594, 0.3244, 0.3403)

Have a look what the booklet for  
Yxy(67.0594, 0.3244, 0.3403)  
contains.

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# Color

**Yxy(66.9604, 0.3241, 0.3402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD5CB
RGB	219, 213, 203
RGB Percent	86%, 84%, 80%
CMY	0.1411, 0.1647, 0.2038
CMYK	0.00, 0.03, 0.07, 0.14
HSL	37°, 18%, 83%
HSV	37°, 7%, 86%
XYZ	63.7915, 66.9604, 66.0747
YIQ	213.6540, 6.7860, -1.8380

# Conversions

## Conversions Part 2

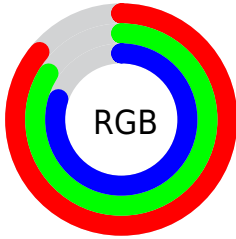
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 219, 203
Decimal	14407115
CIE Lab	85.48, 0.34, 5.65
CIE LCh	85, 5.657, 86.575
Yxy	66.9604, 0.3241, 0.3402
Android (android.graphics.Color)	4292597195 (0xFFDDBD5CB)
YUV	213.6540, -5.2524, 4.6884
Hunter-Lab	81.8293, -4.0485, 9.4057

# Details

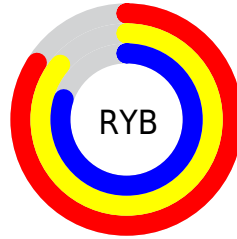
The Yxy color **66.9604, 0.3241, 0.3402** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4318, 0.3015, 0.3175**, and the grayscale version is **67.0364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.5162, 0.3269, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **61.9539, 0.3412, 0.3562**, and if you desaturate by 10%, it is **72.3305, 0.3087, 0.3250**.

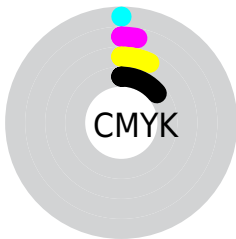
# Distribution



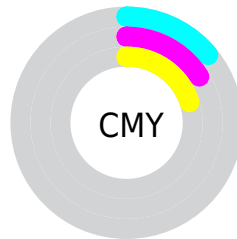
- Red (86%)
- Green (84%)
- Blue (80%)



- Red (84%)
- Yellow (86%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9604, 0.3241, 0.3402 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 66.9604, 0.3241, 0.3402 by changing the saturation by 10% instead.



■ 66.9604, 0.3241,  
0.3402

■ 66.9604, 0.3241,  
0.3402

449.8038, 0.3187,  
0.3349

■ 49.0524, 0.3253,  
0.3414

114.8637, 0.3222,  
0.3384

■ 34.6611, 0.3269,  
0.3429

145.6278, 0.3215,  
0.3377

■ 23.4019, 0.3289,  
0.3449

181.4460, 0.3209,  
0.3370

■ 14.8906, 0.3315,  
0.3475

222.7029, 0.3203,  
0.3365

■ 8.7426, 0.3352,  
0.3510

269.7827, 0.3199,  
0.3360

■ 4.5737, 0.3406,  
0.3563

323.0698, 0.3195,

■ 1.9994, 0.3494,

0.3356

0.3649

382.9488, 0.3191,  
0.3353

0.6071, 0.4013,  
0.4162

0.0000, 0.0000,  
0.0000

66.9604, 0.3241,  
0.3402

66.9604, 0.3241,  
0.3402

61.9539, 0.3412,  
0.3562

72.3305, 0.3087,  
0.3250

57.2932, 0.3602,  
0.3728

78.0644, 0.2951,  
0.3108

52.9713, 0.3807,  
0.3893

83.2576, 0.2906,  
0.3111

48.9779, 0.4026,  
0.4052

88.1545, 0.2909,  
0.3197

■ 45.3020, 0.4252,  
0.4193

■ 93.2734, 0.2911,  
0.3281

■ 41.9315, 0.4475,  
0.4306

■ 93.8019, 0.2912,  
0.3289

■ 38.8533, 0.4686,  
0.4380

■ 36.0524, 0.4871,  
0.4403

■ 33.5097, 0.5023,  
0.4375

# Harmonies

## Analogous

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



66.9604, 0.3265, 0.3363



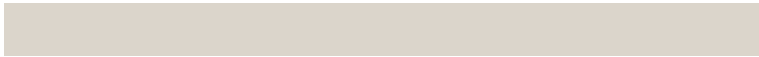
66.9604, 0.3241, 0.3402



66.9604, 0.3187, 0.3412

# Triad

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



66.9604, 0.3241, 0.3402



66.9604, 0.3005, 0.3274



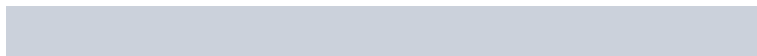
66.9604, 0.3136, 0.3195

# Complementary

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



66.9604, 0.3241, 0.3402



63.4318, 0.3015, 0.3175

# 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.



66.9604, 0.3067, 0.3171



66.9604, 0.3241, 0.3402



66.9604, 0.2992, 0.3216

# Square

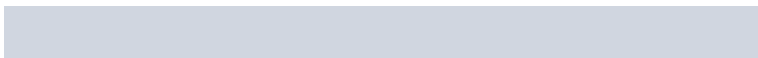
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.9604, 0.3241, 0.3402



66.9604, 0.3050, 0.3337



66.9604, 0.3014, 0.3179



66.9604, 0.3204, 0.3244



# Rectangle

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



66.9604, 0.3241, 0.3402



66.9604, 0.3141, 0.3399



66.9604, 0.3014, 0.3179



66.9604, 0.3113, 0.3184

# Sweetspot

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



66.9633, 0.3241, 0.3402



98.4586, 0.3158, 0.3320



62.3948, 0.3206, 0.3221



21.0904, 0.3156, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

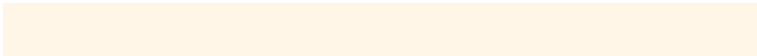


# Same Dimension

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



66.9633, 0.3241, 0.3402



93.2270, 0.3270, 0.3430



69.7563, 0.3221, 0.3469



14.3984, 0.3276, 0.3436



19.6992, 0.5045, 0.4376

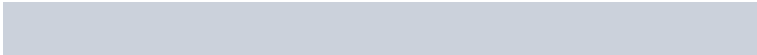


1.4399, 0.4870, 0.4515



# Inverse Universe

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



63.4318, 0.3015, 0.3175



87.1044, 0.2987, 0.3146



60.8001, 0.3029, 0.3106



13.4153, 0.2981, 0.3140



6.8352, 0.1667, 0.1202

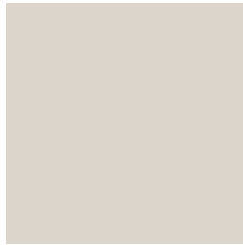


0.6054, 0.1759, 0.1530



# Previews

## White Background



This preview shows how the Yxy color 66.9604, 0.3241, 0.3402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

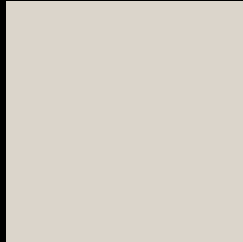
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9604, 0.3241, 0.3402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

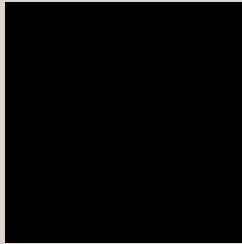
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

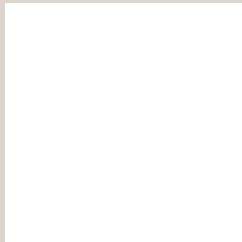
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.9604, 0.3241, 0.3402**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9604, 0.3241, 0.3402.

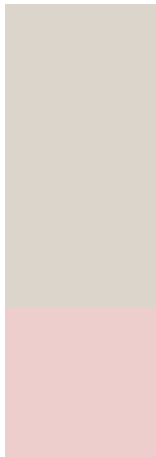


This preview shows how white text looks on a background with the Yxy color 66.9604, 0.3241, 0.3402.

# 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

66.9604, 0.3241, 0.3402

### Protanopia

67.1159, 0.3249, 0.3402

### Deuteranopia

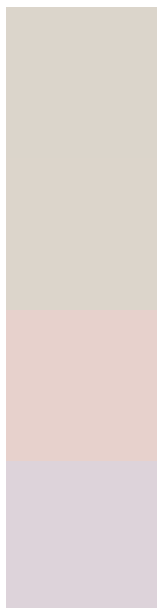
66.6794, 0.3389, 0.3312



## Tritanopia

67.1138, 0.3106, 0.3116

# Trichromacy



## Original Color

66.9604, 0.3241, 0.3402

## Protanomaly

67.1159, 0.3249, 0.3402

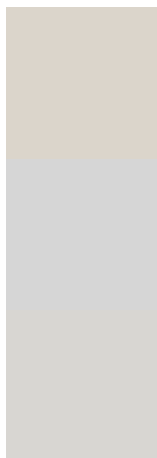
## Deuteranomaly

66.9495, 0.3330, 0.3345

## Tritanomaly

67.0226, 0.3153, 0.3213

# Monochromacy



## Original Color

66.9604, 0.3241, 0.3402

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.3452, 0.3169, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9604, 0.3241, 0.3402 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(219, 213, 203)` looks like.

```
.text, #text, p{  
    color:rgb(219, 213, 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(219, 213, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 213, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9604, 0.3241, 0.3402 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(219, 213, 203) }
```

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

```
.border{ border-color:rgb(219, 213, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 213, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 213, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 213, 203);  
box-shadow:4px 4px 4px 4px rgb(219, 213,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9604, 0.3241, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 213, 203) }
```

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

```
.background{ background-color: rgb(219,  
213, 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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