

# Converting Colors

$Yxy(68.6604, 0.3293, 0.3634)$

Have a look what the booklet for  
Yxy(68.6604, 0.3293, 0.3634)  
contains.

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# Color

**Yxy(68.6333, 0.3294, 0.3632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6DBBD
RGB	214, 219, 189
RGB Percent	84%, 86%, 74%
CMY	0.1608, 0.1411, 0.2590
CMYK	0.02, 0.00, 0.14, 0.14
HSL	70°, 29%, 80%
HSV	70°, 14%, 86%
XYZ	62.2462, 68.6333, 58.0889
YIQ	214.0850, 6.6500, -10.3900

# Conversions

## Conversions Part 2

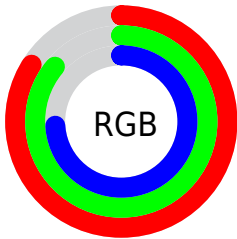
Format	Color
R <sub>YB</sub>	189, 219, 194
Decimal	14080957
CIE <sub>Lab</sub>	86.32, -6.84, 14.21
CIE <sub>LCh</sub>	86, 15.769, 115.702
Y <sub>xy</sub>	68.6333, 0.3294, 0.3632
Android (android.graphics.Color)	4292271037 (0xFFD6DBBD)
YUV	214.0850, -12.3669, -0.0745
Hunter-Lab	82.8452, -10.8623, 16.4191

# Details

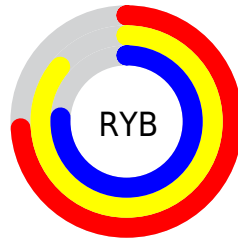
The Yxy color **68.6333, 0.3294, 0.3632** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.9586, 0.2946, 0.2932**, and the grayscale version is **67.3873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **35.6994, 0.3328, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **67.2137, 0.3417, 0.3893**, and if you desaturate by 10%, it is **70.2148, 0.3172, 0.3380**.

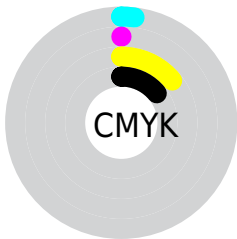
# Distribution



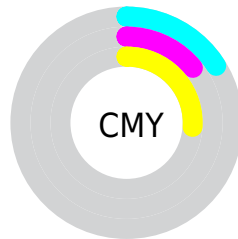
- Red (84%)
- Green (86%)
- Blue (74%)



- Red (74%)
- Yellow (86%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (14%)




- Cyan (16%)
- Magenta (14%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6333, 0.3294, 0.3632 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 68.6333, 0.3294, 0.3632 by changing the saturation by 10% instead.



 68.6333, 0.3294,  
0.3632

 68.6333, 0.3294,  
0.3632


455.7366, 0.3217,  
0.3470

 50.4131, 0.3311,  
0.3670

 117.2577, 0.3267,  
0.3575

 35.7418, 0.3333,  
0.3717


148.4306, 0.3257,  
0.3553

 24.2348, 0.3360,  
0.3778


184.6900, 0.3248,  
0.3534

 15.5079, 0.3395,  
0.3859

226.4202, 0.3240,  
0.3518

 9.1766, 0.3442,  
0.3972

274.0055, 0.3233,  
0.3504

 4.8566, 0.3508,  
0.4139

327.8304, 0.3227,

 2.1633, 0.3604,

0.3491

0.4410

388.2793, 0.3222,  
0.3480

0.6999, 0.4159,  
0.5841

0.0000, 0.0000,  
0.0000

68.6333, 0.3294,  
0.3632

68.6333, 0.3294,  
0.3632

67.2137, 0.3417,  
0.3893

70.2148, 0.3172,  
0.3380

65.9405, 0.3536,  
0.4156

71.9553, 0.3053,  
0.3142

64.8097, 0.3647,  
0.4412

73.8634, 0.2941,  
0.2921

63.8137, 0.3744,  
0.4651

74.4770, 0.2963,  
0.2920

62.9441, 0.3822,  
0.4863

75.0815, 0.2987,  
0.2923

62.1917, 0.3876,  
0.5037

75.6988, 0.3012,  
0.2926

61.5455, 0.3904,  
0.5167

76.3287, 0.3037,  
0.2928

60.9926, 0.3907,  
0.5251

76.9715, 0.3062,  
0.2931

60.6793, 0.3899,  
0.5286

77.6272, 0.3087,  
0.2934

# Harmonies

## Analogous

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



68.6333, 0.3445, 0.3596



68.6333, 0.3294, 0.3632



68.6333, 0.3101, 0.3570

# Triad

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



68.6333, 0.3294, 0.3632



68.6333, 0.2758, 0.3084



68.6333, 0.3334, 0.3158

# Complementary

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



68.6333, 0.3294, 0.3632



52.9586, 0.2946, 0.2932

# 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.



68.6333, 0.3144, 0.3031



68.6333, 0.3294, 0.3632



68.6333, 0.2815, 0.2985

# Square

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



68.6333, 0.3294, 0.3632



68.6333, 0.2795, 0.3245



68.6333, 0.2954, 0.2968



68.6333, 0.3470, 0.3320



# Rectangle

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



68.6333, 0.3294, 0.3632



68.6333, 0.2976, 0.3480



68.6333, 0.2954, 0.2968



68.6333, 0.3274, 0.3110

# Sweetspot

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



68.6363, 0.3294, 0.3632



99.0398, 0.3176, 0.3388



57.0816, 0.3371, 0.3343



21.1608, 0.3185, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

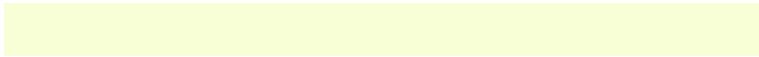


# Same Dimension

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



68.6363, 0.3294, 0.3632



96.3799, 0.3324, 0.3694



66.5469, 0.3186, 0.3644



15.1485, 0.3241, 0.3523



36.0186, 0.3904, 0.5283



2.3632, 0.3954, 0.5243



# Inverse Universe

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



52.9586, 0.2946, 0.2932



70.7852, 0.2911, 0.2863



54.9754, 0.3059, 0.2944



12.7208, 0.3007, 0.3050



3.2918, 0.1575, 0.0641

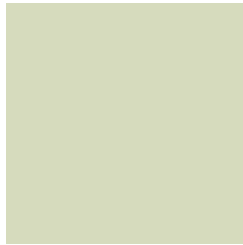


0.2458, 0.1714, 0.0718



# Previews

## White Background



This preview shows how the Yxy color 68.6333, 0.3294, 0.3632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

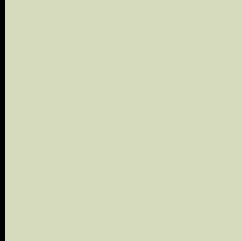
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6333, 0.3294, 0.3632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

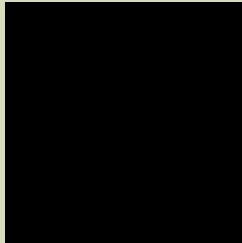
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

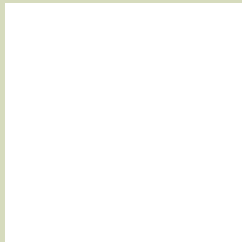
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6333, 0.3294, 0.3632**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6333, 0.3294, 0.3632.



This preview shows how white text looks on a background with the Yxy color 68.6333, 0.3294, 0.3632.

# 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

68.6333, 0.3294, 0.3632

### Protanopia

68.3575, 0.3406, 0.3602

### Deuteranopia

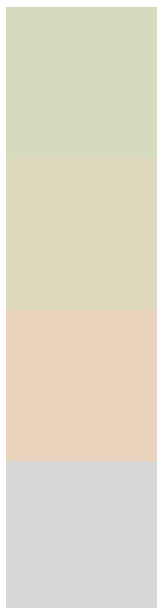
68.4662, 0.3547, 0.3471



## Tritanopia

68.5173, 0.3064, 0.3105

# Trichromacy



## Original Color

68.6333, 0.3294, 0.3632

## Protanomaly

68.2722, 0.3366, 0.3604

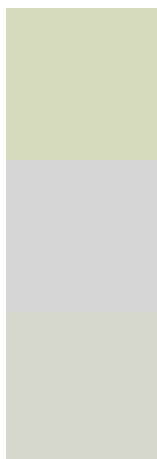
## Deuteranomaly

68.2971, 0.3452, 0.3531

## Tritanomaly

68.4126, 0.3149, 0.3290

# Monochromacy



## Original Color

68.6333, 0.3294, 0.3632

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.8157, 0.3187, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6333, 0.3294, 0.3632 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, 219, 189)` looks like.

```
.text, #text, p{  
    color:rgb(214, 219, 189)  
}
```

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, 219, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 219, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6333, 0.3294, 0.3632 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, 219, 189) }
```

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

```
.border{ border-color:rgb(214, 219, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 219, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 219, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 219, 189);  
box-shadow:4px 4px 4px 4px rgb(214, 219,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6333, 0.3294, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 219, 189) }
```

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

```
.background{ background-color: rgb(214,  
219, 189) }
```

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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