

# Converting Colors

$Yxy(64.3305, 0.3380, 0.3530)$

Have a look what the booklet for  
Yxy(64.3305, 0.3380, 0.3530)  
contains.

<b>Yxy(64.0718, 0.3379, 0.3529)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.0718, 0.3379, 0.3529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD0BB
RGB	221, 208, 187
RGB Percent	87%, 82%, 73%
CMY	0.1332, 0.1843, 0.2667
CMYK	0.00, 0.06, 0.15, 0.13
HSL	37°, 33%, 80%
HSV	37°, 15%, 87%
XYZ	61.3484, 64.0718, 56.1377
YIQ	209.4930, 14.4890, -3.7750

# Conversions

## Conversions Part 2

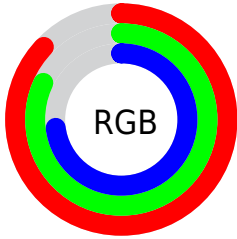
Format	Color
RYB	208, 221, 187
Decimal	14536891
CIELab	84.00, 1.06, 12.05
CIELCh	84, 12.094, 84.975
Yxy	64.0718, 0.3379, 0.3529
Android (android.graphics.Color)	4292726971 (0xFFDDD0BB)
YUV	209.4930, -11.0890, 10.0916
Hunter-Lab	80.0449, -3.2715, 14.4497

# Details

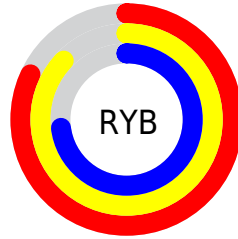
The Yxy color **64.0718, 0.3379, 0.3529** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.0981, 0.2885, 0.3039**, and the grayscale version is **64.1690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **32.9394, 0.3442, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **59.1848, 0.3566, 0.3692**, and if you desaturate by 10%, it is **69.3301, 0.3211, 0.3372**.

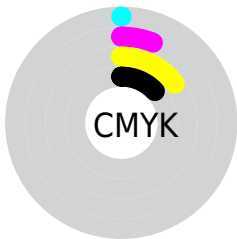
# Distribution



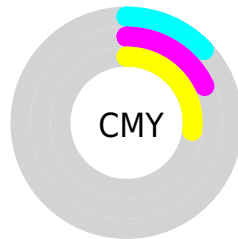
- Red (87%)
- Green (82%)
- Blue (73%)



- Red (82%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (13%)




- Cyan (13%)
- Magenta (18%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0718, 0.3379, 0.3529 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 64.0718, 0.3379, 0.3529 by changing the saturation by 10% instead.





 64.0718, 0.3379,  
0.3529

 64.0718, 0.3379,  
0.3529

439.4489, 0.3260,  
0.3416

 46.7088, 0.3407,  
0.3555


 110.7143, 0.3337,  
0.3489

 32.8055, 0.3442,  
0.3588

140.7627, 0.3321,  
0.3474

 21.9775, 0.3487,  
0.3630


175.8083, 0.3307,  
0.3461

 13.8404, 0.3546,  
0.3686

216.2355, 0.3295,  
0.3450

 8.0097, 0.3629,  
0.3763

262.4288, 0.3284,  
0.3440

 4.1012, 0.3752,  
0.3876

314.7725, 0.3275,

 1.7303, 0.3955,

0.3431

0.4060

373.6511, 0.3267,  
0.3423

0.4432, 0.5022,  
0.4978

0.0000, 0.0000,  
0.0000

64.0718, 0.3379,  
0.3529

64.0718, 0.3379,  
0.3529

59.1848, 0.3566,  
0.3692

69.3301, 0.3211,  
0.3372

54.6506, 0.3770,  
0.3857

74.9608, 0.3060,  
0.3223

50.4614, 0.3988,  
0.4016

80.9757, 0.2927,  
0.3084

46.6058, 0.4215,  
0.4160

85.9996, 0.2919,  
0.3155

■ 43.0716, 0.4443,  
0.4278

■ 91.1468, 0.2922,  
0.3242

■ 39.8452, 0.4660,  
0.4358

■ 94.1161, 0.2923,  
0.3289

■ 36.9117, 0.4853,  
0.4390

■ 34.2530, 0.5014,  
0.4369

■ 33.1106, 0.5081,  
0.4348

# Harmonies

## Analogous

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



64.0718, 0.3428, 0.3438



64.0718, 0.3379, 0.3529



64.0718, 0.3262, 0.3557

# Triad

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



64.0718, 0.3379, 0.3529



64.0718, 0.2867, 0.3259



64.0718, 0.3137, 0.3083

# Complementary

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



64.0718, 0.3379, 0.3529



57.0981, 0.2885, 0.3039

# 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.



64.0718, 0.2989, 0.3035



64.0718, 0.3379, 0.3529



64.0718, 0.2835, 0.3132

# Square

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



64.0718, 0.3379, 0.3529



64.0718, 0.2967, 0.3399



64.0718, 0.2879, 0.3052



64.0718, 0.3286, 0.3183



# Rectangle

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



64.0718, 0.3379, 0.3529



64.0718, 0.3163, 0.3534



64.0718, 0.2879, 0.3052



64.0718, 0.3086, 0.3061

# Sweetspot

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



64.0746, 0.3379, 0.3529



96.1323, 0.3205, 0.3366



55.0819, 0.3309, 0.3141



20.4622, 0.3216, 0.3377



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

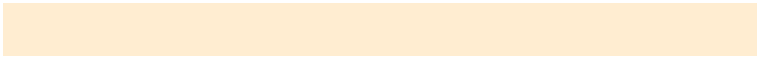


# Same Dimension

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



64.0746, 0.3379, 0.3529



86.6894, 0.3428, 0.3573



70.0735, 0.3327, 0.3674



14.3833, 0.3276, 0.3434



19.4549, 0.5063, 0.4362



1.4250, 0.4884, 0.4504



# Inverse Universe

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



57.0981, 0.2885, 0.3039



75.5446, 0.2839, 0.2989



51.8265, 0.2909, 0.2883



13.4299, 0.2981, 0.3142



6.9706, 0.1673, 0.1221

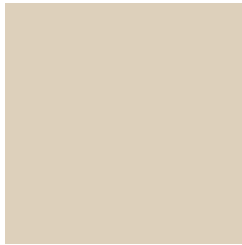


0.6151, 0.1764, 0.1549



# Previews

## White Background



This preview shows how the Yxy color 64.0718, 0.3379, 0.3529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

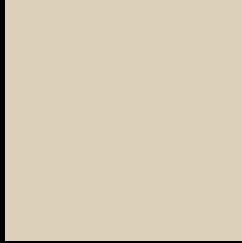
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0718, 0.3379, 0.3529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

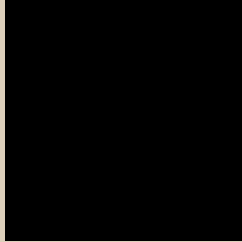
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

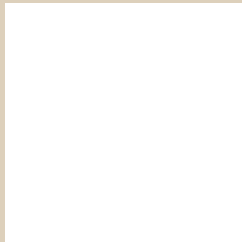
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.0718, 0.3379, 0.3529**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0718, 0.3379, 0.3529.



This preview shows how white text looks on a background with the Yxy color 64.0718, 0.3379, 0.3529.

# 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

64.0718, 0.3379, 0.3529

### Protanopia

64.0942, 0.3353, 0.3542

### Deuteranopia

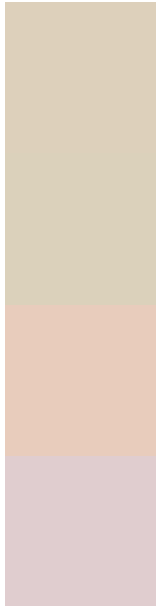
64.0490, 0.3519, 0.3444



## Tritanopia

63.8339, 0.3181, 0.3115

# Trichromacy



## Original Color

64.0718, 0.3379, 0.3529

## Protanomaly

64.2489, 0.3361, 0.3541

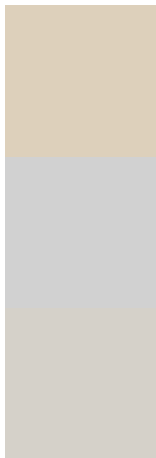
## Deuteranomaly

63.9724, 0.3467, 0.3468

## Tritanomaly

64.0149, 0.3259, 0.3268

# Monochromacy



## Original Color

64.0718, 0.3379, 0.3529

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.9641, 0.3214, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0718, 0.3379, 0.3529 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(221, 208, 187)` looks like.

```
.text, #text, p{  
    color:rgb(221, 208, 187)  
}
```

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(221, 208, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 208, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0718, 0.3379, 0.3529 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(221, 208, 187) }
```

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

```
.border{ border-color:rgb(221, 208, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 208, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 208, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 208, 187);  
box-shadow:4px 4px 4px 4px rgb(221, 208,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0718, 0.3379, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 208, 187) }
```

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

```
.background{ background-color: rgb(221,  
208, 187) }
```

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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