

# Converting Colors

$Yxy(63.3025, 0.3356, 0.3515)$

Have a look what the booklet for  
Yxy(63.3025, 0.3356, 0.3515)  
contains.

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# Color

**Yxy(63.1619, 0.3349, 0.3508)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DACFBC
RGB	218, 207, 188
RGB Percent	85%, 81%, 74%
CMY	0.1452, 0.1882, 0.2627
CMYK	0.00, 0.05, 0.14, 0.15
HSL	38°, 29%, 80%
HSV	38°, 14%, 85%
XYZ	60.2991, 63.1619, 56.5900
YIQ	208.1230, 12.6550, -3.5770

# Conversions

## Conversions Part 2

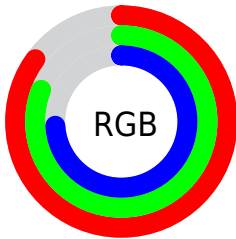
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 218, 188
Decimal	14340028
CIE <sub>Lab</sub>	83.53, 0.63, 10.80
CIE <sub>LCh</sub>	84, 10.816, 86.652
Yxy	63.1619, 0.3349, 0.3508
Android (android.graphics.Color)	4292530108 (0xFFDACFBC)
YUV	208.1230, -9.9206, 8.6621
Hunter-Lab	79.4745, -3.6483, 13.4145

# Details

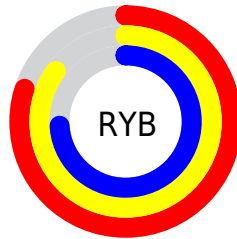
The Yxy color **63.1619, 0.3349, 0.3508** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.5862, 0.2912, 0.3062**, and the grayscale version is **63.2199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **32.3183, 0.3403, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **58.5263, 0.3531, 0.3675**, and if you desaturate by 10%, it is **68.1404, 0.3184, 0.3348**.

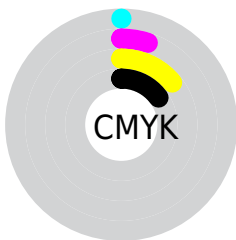
# Distribution



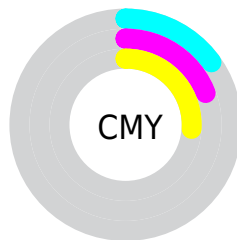
- Red (85%)
- Green (81%)
- Blue (74%)



- Red (80%)
- Yellow (85%)
- Blue (74%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)
- Black (15%)




- Cyan (15%)
- Magenta (19%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1619, 0.3349, 0.3508 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 63.1619, 0.3349, 0.3508 by changing the saturation by 10% instead.



 63.1619, 0.3349,  
0.3508

 63.1619, 0.3349,  
0.3508


436.1568, 0.3244,  
0.3405

 45.9722, 0.3374,  
0.3532


 109.4031, 0.3312,  
0.3472

 32.2239, 0.3405,  
0.3562


139.2233, 0.3298,  
0.3458

 21.5326, 0.3445,  
0.3601

174.0225, 0.3285,  
0.3446

 13.5138, 0.3498,  
0.3653

214.1851, 0.3275,  
0.3435

 7.7833, 0.3572,  
0.3725

260.0954, 0.3266,  
0.3426

 3.9566, 0.3682,  
0.3831

312.1378, 0.3257,

 1.6493, 0.3866,

0.3418

0.4007

370.6969, 0.3250,  
0.3411

0.3905, 0.4975,  
0.5025

0.0000, 0.0000,  
0.0000

63.1619, 0.3349,  
0.3508

63.1619, 0.3349,  
0.3508

58.5263, 0.3531,  
0.3675

68.1404, 0.3184,  
0.3348

54.2160, 0.3730,  
0.3843

73.4620, 0.3037,  
0.3197

50.2240, 0.3942,  
0.4007

79.1380, 0.2906,  
0.3056

46.5399, 0.4163,  
0.4158

83.8067, 0.2900,  
0.3124

■ 43.1525, 0.4385,  
0.4285

■ 88.5785, 0.2903,  
0.3207

■ 40.0494, 0.4597,  
0.4375

■ 93.5590, 0.2906,  
0.3288

■ 37.2169, 0.4787,  
0.4419

■ 93.6426, 0.2906,  
0.3289

■ 34.6388, 0.4946,  
0.4412

■ 33.1426, 0.5033,  
0.4386

# Harmonies

## Analogous

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



63.1619, 0.3397, 0.3429



63.1619, 0.3349, 0.3508



63.1619, 0.3242, 0.3529

# Triad

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



63.1619, 0.3349, 0.3508



63.1619, 0.2890, 0.3256



63.1619, 0.3144, 0.3108

# Complementary

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



63.1619, 0.3349, 0.3508



56.5862, 0.2912, 0.3062

# 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.



63.1619, 0.3010, 0.3061



63.1619, 0.3349, 0.3508



63.1619, 0.2865, 0.3143

# Square

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



63.1619, 0.3349, 0.3508



63.1619, 0.2977, 0.3381



63.1619, 0.2908, 0.3073



63.1619, 0.3277, 0.3200



# Rectangle

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



63.1619, 0.3349, 0.3508



63.1619, 0.3152, 0.3505



63.1619, 0.2908, 0.3073



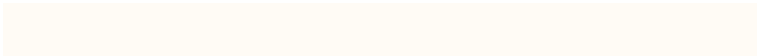
63.1619, 0.3098, 0.3086

# Sweetspot

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



63.1647, 0.3349, 0.3508



97.0021, 0.3189, 0.3352



54.9928, 0.3291, 0.3164



20.6437, 0.3201, 0.3364



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

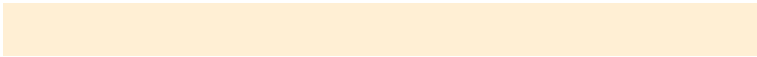


# Same Dimension

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



63.1647, 0.3349, 0.3508



87.8095, 0.3409, 0.3564



68.0580, 0.3302, 0.3632



14.4210, 0.3276, 0.3438



20.0711, 0.5017, 0.4399



1.4624, 0.4848, 0.4533



# Inverse Universe

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



56.5862, 0.2912, 0.3062



76.3839, 0.2856, 0.3000



52.2342, 0.2938, 0.2930



13.3935, 0.2981, 0.3138



6.6376, 0.1660, 0.1174

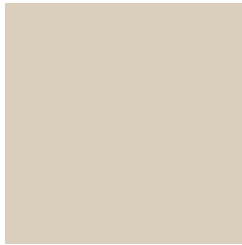


0.5911, 0.1751, 0.1503



# Previews

## White Background



This preview shows how the Yxy color 63.1619, 0.3349, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

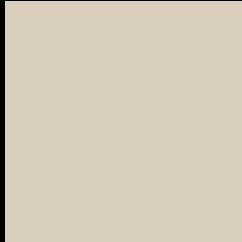
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1619, 0.3349, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

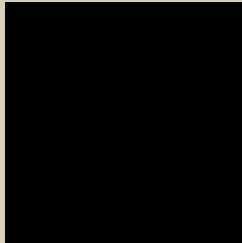
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

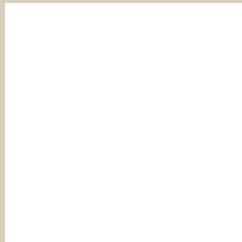
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1619, 0.3349, 0.3508**

## Background



This preview shows how black text looks on a background with the Yxy color 63.1619, 0.3349, 0.3508.

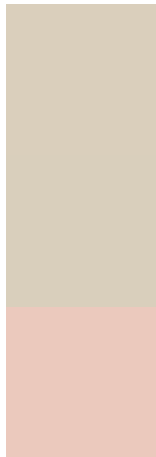


This preview shows how white text looks on a background with the Yxy color 63.1619, 0.3349, 0.3508.

# 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

63.1619, 0.3349, 0.3508

### Protanopia

63.0082, 0.3341, 0.3508

### Deuteranopia

63.1096, 0.3489, 0.3423



## Tritanopia

63.3034, 0.3165, 0.3124

# Trichromacy



## Original Color

63.1619, 0.3349, 0.3508

## Protanomaly

63.0082, 0.3341, 0.3508

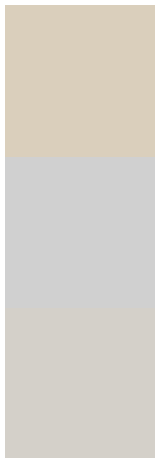
## Deuteranomaly

63.0440, 0.3437, 0.3447

## Tritanomaly

63.0629, 0.3237, 0.3257

# Monochromacy



## Original Color

63.1619, 0.3349, 0.3508

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.3258, 0.3207, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1619, 0.3349, 0.3508 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(218, 207, 188)` looks like.

```
.text, #text, p{  
    color:rgb(218, 207, 188)  
}
```

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(218, 207, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 207, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1619, 0.3349, 0.3508 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(218, 207, 188) }
```

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

```
.border{ border-color:rgb(218, 207, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 207, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 207, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 207, 188);  
box-shadow:4px 4px 4px 4px rgb(218, 207,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1619, 0.3349, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 207, 188) }
```

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

```
.background{ background-color: rgb(218,  
207, 188) }
```

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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