

# Converting Colors

$Yxy(58.0295, 0.3346, 0.3355)$

Have a look what the booklet for  
Yxy(58.0295, 0.3346, 0.3355)  
contains.

<b>Yxy(58.1030, 0.3351, 0.3360)</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(58.1030, 0.3351, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAC4BE
RGB	218, 196, 190
RGB Percent	85%, 77%, 75%
CMY	0.1451, 0.2314, 0.2549
CMYK	0.00, 0.10, 0.13, 0.15
HSL	13°, 27%, 80%
HSV	13°, 13%, 85%
XYZ	57.9474, 58.1030, 56.8752
YIQ	201.8940, 15.0380, 2.7980

# Conversions

## Conversions Part 2

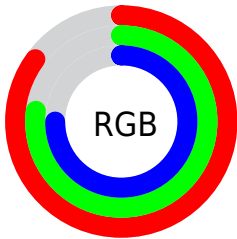
Format	Color
R <sub>Y</sub> B	218, 198, 190
Decimal	14337214
CIE Lab	80.80, 6.75, 5.82
CIE LCh	81, 8.908, 40.780
Yxy	58.1030, 0.3351, 0.3360
Android (android.graphics.Color)	4292527294 (0xFFDAC4BE)
YUV	201.8940, -5.8637, 14.1250
Hunter-Lab	76.2253, 2.3034, 9.1187

# Details

The Yxy color **58.1030, 0.3351, 0.3360** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0933, 0.2930, 0.3219**, and the grayscale version is **59.0248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1644, 0.3181, 0.3357**, and **28.9387, 0.3408, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **49.9328, 0.3567, 0.3419**, and if you desaturate by 10%, it is **67.3027, 0.3172, 0.3305**.

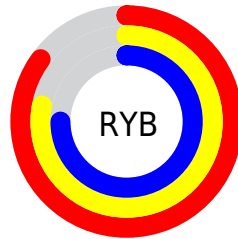
# Distribution



Red (85%)

Green (77%)

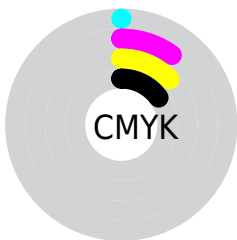
Blue (75%)



Red (85%)

Yellow (78%)

Blue (75%)

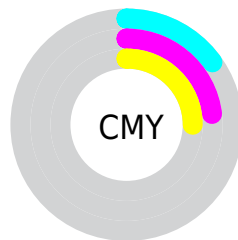


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (15%)



Cyan (15%)

Magenta (23%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1030, 0.3351, 0.3360 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 58.1030, 0.3351, 0.3360 by changing the saturation by 10% instead.





 58.1030, 0.3351,  
0.3360

 58.1030, 0.3351,  
0.3360

417.5696, 0.3243,  
0.3327

 41.8915, 0.3377,  
0.3368


 102.0728, 0.3312,  
0.3349

 29.0163, 0.3410,  
0.3377

130.5999, 0.3298,  
0.3344

 19.0932, 0.3453,  
0.3389


164.0010, 0.3285,  
0.3340

 11.7376, 0.3511,  
0.3405

202.6604, 0.3274,  
0.3337

 6.5653, 0.3594,  
0.3426

246.9626, 0.3265,  
0.3334

 3.1917, 0.3723,  
0.3457

297.2919, 0.3257,

 1.2326, 0.3950,

0.3332

0.3506

354.0328, 0.3249,  
0.3329

0.0881, 0.7382,  
0.2618

0.0000, 0.0000,  
0.0000

58.1030, 0.3351,  
0.3360

58.1030, 0.3351,  
0.3360

49.9328, 0.3567,  
0.3419

67.3027, 0.3172,  
0.3305

42.7485, 0.3825,  
0.3479

77.5582, 0.3024,  
0.3254

36.5148, 0.4132,  
0.3537

88.8786, 0.2903,  
0.3212

31.1912, 0.4487,  
0.3588

93.6455, 0.2906,  
0.3289

■ 26.7346, 0.4880,  
0.3623

■ 23.0978, 0.5291,  
0.3632

■ 20.2292, 0.5678,  
0.3607

■ 18.0709, 0.5995,  
0.3544

■ 16.9192, 0.6166,  
0.3486

# Harmonies

## Analogous

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



58.1030, 0.3297, 0.3259



58.1030, 0.3351, 0.3360



58.1030, 0.3344, 0.3445

# Triad

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



58.1030, 0.3351, 0.3360



58.1030, 0.3055, 0.3417



58.1030, 0.2977, 0.3095

# Complementary

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



58.1030, 0.3351, 0.3360



63.0933, 0.2930, 0.3219

# 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.



58.1030, 0.2915, 0.3132



58.1030, 0.3351, 0.3360



58.1030, 0.2960, 0.3318

# Square

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



58.1030, 0.3351, 0.3360



58.1030, 0.3171, 0.3480



58.1030, 0.2909, 0.3214



58.1030, 0.3080, 0.3108



# Rectangle

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



58.1030, 0.3351, 0.3360



58.1030, 0.3305, 0.3480



58.1030, 0.2909, 0.3214



58.1030, 0.2951, 0.3102

# Sweetspot

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



58.1056, 0.3351, 0.3360



94.3544, 0.3192, 0.3311



56.5061, 0.3184, 0.3036



19.9743, 0.3204, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

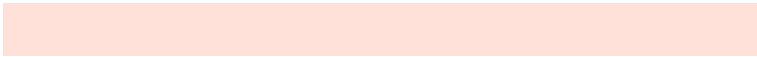


# Same Dimension

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



58.1056, 0.3351, 0.3360



80.0824, 0.3397, 0.3373



64.5191, 0.3331, 0.3514



13.5019, 0.3286, 0.3341



10.2650, 0.6142, 0.3505



0.7922, 0.5827, 0.3756

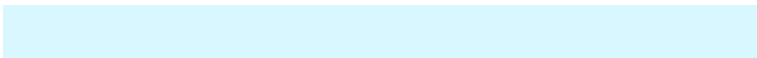


# Inverse Universe

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



63.0933, 0.2930, 0.3219



88.3302, 0.2895, 0.3205



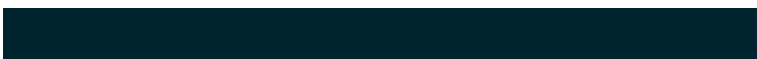
56.5804, 0.2926, 0.3056



14.3308, 0.2982, 0.3239



20.6996, 0.2052, 0.2588

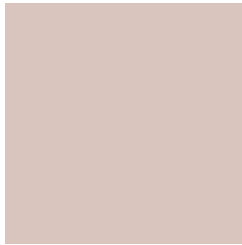


1.4616, 0.2088, 0.2715



# Previews

## White Background



This preview shows how the Yxy color 58.1030, 0.3351, 0.3360 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 58.1030, 0.3351, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

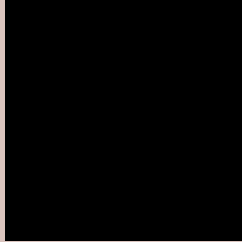
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.1030, 0.3351, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1030, 0.3351, 0.3360.



This preview shows how white text looks on a background with the Yxy color 58.1030, 0.3351, 0.3360.

# 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

58.1030, 0.3351, 0.3360

### Protanopia

58.2361, 0.3233, 0.3385

### Deuteranopia

58.1486, 0.3404, 0.3336



## Tritanopia

57.9096, 0.3232, 0.3121

# Trichromacy



## Original Color

58.1030, 0.3351, 0.3360

## Protanomaly

58.3101, 0.3274, 0.3384

## Deuteranomaly

58.2775, 0.3386, 0.3348

## Tritanomaly

57.8607, 0.3276, 0.3211

# Monochromacy



## Original Color

58.1030, 0.3351, 0.3360

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

58.7957, 0.3205, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1030, 0.3351, 0.3360 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, 196, 190)` looks like.

```
.text, #text, p{  
    color:rgb(218, 196, 190)  
}
```

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, 196, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 196, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1030, 0.3351, 0.3360 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, 196, 190) }
```

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

```
.border{ border-color:rgb(218, 196, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 196, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 196, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 196, 190); box-shadow:4px 4px 4px 4px rgb(218, 196, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1030, 0.3351, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 196, 190) }
```

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

```
.background{ background-color: rgb(218,  
196, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor