

# Converting Colors

$Y_{xy}(57.2797, 0.3293, 0.3536)$

Have a look what the booklet for  
Yxy(57.2797, 0.3293, 0.3536)  
contains.

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# Color

**Yxy(57.1604, 0.3291, 0.3532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC8B4
RGB	202, 200, 180
RGB Percent	79%, 78%, 71%
CMY	0.2077, 0.2157, 0.2940
CMYK	0.00, 0.01, 0.11, 0.21
HSL	54°, 17%, 75%
HSV	54°, 11%, 79%
XYZ	53.2602, 57.1604, 51.4152
YIQ	198.3180, 7.6120, -5.7960

# Conversions

## Conversions Part 2

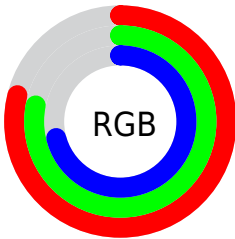
Format	Color
<a href="#">RYB</a>	<a href="#">182, 202, 180</a>
Decimal	<a href="#">13289652</a>
CIELab	<a href="#">80.27, -2.74, 10.24</a>
CIELCh	<a href="#">80, 10.600, 104.980</a>
Yxy	<a href="#">57.1604, 0.3291, 0.3532</a>
Android (android.graphics.Color)	<a href="#">4291479732</a> ( <a href="#">0xFFCAC8B4</a> )
YUV	<a href="#">198.3180, -9.0308, 3.2291</a>
Hunter-Lab	<a href="#">75.6045, -6.5622, 12.6027</a>

# Details

The Yxy color  $57.1604, 0.3291, 0.3532$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $47.4588, 0.2958, 0.3036$ , and the grayscale version is  $56.7336, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.8361, 0.3238, 0.3473$ , and  $28.3860, 0.3337, 0.3599$  is the 20% darker color. If you saturate the color by 10%, you get  $55.5301, 0.3448, 0.3761$ , and if you desaturate by 10%, it is  $58.9266, 0.3140, 0.3310$ .

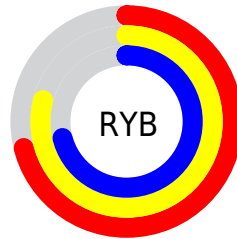
# Distribution



Red (79%)

Green (78%)

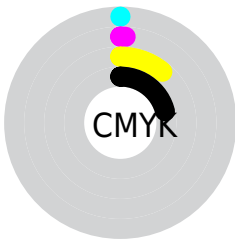
Blue (71%)



Red (71%)

Yellow (79%)

Blue (71%)

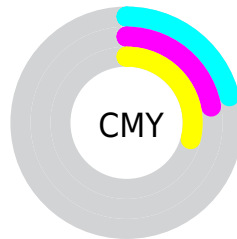


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (21%)



Cyan (21%)

Magenta (22%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1604, 0.3291, 0.3532 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 57.1604, 0.3291, 0.3532 by changing the saturation by 10% instead.





 57.1604, 0.3291,  
0.3532

 57.1604, 0.3291,  
0.3532


414.0501, 0.3212,  
0.3414

 41.1340, 0.3310,  
0.3560


 100.6992, 0.3263,  
0.3490

 28.4238, 0.3333,  
0.3596


128.9804, 0.3252,  
0.3474

 18.6454, 0.3364,  
0.3643


162.1154, 0.3243,  
0.3460

 11.4143, 0.3405,  
0.3707

200.4885, 0.3235,  
0.3449

 6.3462, 0.3463,  
0.3798

244.4841, 0.3228,  
0.3438

 3.0567, 0.3551,  
0.3940

294.4866, 0.3222,

 1.1614, 0.3786,

0.3429

0.4287

350.8805, 0.3217,  
0.3422

0.0299, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.1604, 0.3291,  
0.3532

57.1604, 0.3291,  
0.3532

55.5301, 0.3448,  
0.3761

58.9266, 0.3140,  
0.3310

54.0229, 0.3609,  
0.3990

60.8259, 0.2999,  
0.3098

52.6357, 0.3768,  
0.4211

62.8656, 0.2868,  
0.2899

51.3625, 0.3919,  
0.4416

64.6684, 0.2781,  
0.2773

■ 50.1967, 0.4056,  
0.4594

■ 65.5910, 0.2783,  
0.2794

■ 49.1308, 0.4173,  
0.4737

■ 66.5246, 0.2784,  
0.2815

■ 48.1565, 0.4265,  
0.4837

■ 67.4692, 0.2786,  
0.2836

■ 47.2638, 0.4329,  
0.4894

■ 68.4248, 0.2787,  
0.2857

■ 46.5056, 0.4368,  
0.4914

■ 69.3915, 0.2789,  
0.2878

# Harmonies

## Analogous

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



57.1604, 0.3379, 0.3486



57.1604, 0.3291, 0.3532



57.1604, 0.3160, 0.3512

# Triad

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



57.1604, 0.3291, 0.3532



57.1604, 0.2863, 0.3182



57.1604, 0.3229, 0.3158

# Complementary

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



57.1604, 0.3291, 0.3532



47.4588, 0.2958, 0.3036

# 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.



57.1604, 0.3090, 0.3081



57.1604, 0.3291, 0.3532



57.1604, 0.2880, 0.3091

# Square

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



57.1604, 0.3291, 0.3532



57.1604, 0.2915, 0.3305



57.1604, 0.2962, 0.3056



57.1604, 0.3344, 0.3270



# Rectangle

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



57.1604, 0.3291, 0.3532



57.1604, 0.3067, 0.3461



57.1604, 0.2962, 0.3056



57.1604, 0.3184, 0.3127

# Sweetspot

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



57.1629, 0.3291, 0.3532



99.0622, 0.3172, 0.3356



48.5997, 0.3301, 0.3263



21.1505, 0.3184, 0.3374



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.



57.1629, 0.3291, 0.3532



96.0871, 0.3326, 0.3584



56.9273, 0.3218, 0.3562



12.9106, 0.3268, 0.3498



29.9807, 0.4365, 0.4916



1.6001, 0.4328, 0.4946



# Inverse Universe

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



47.4588, 0.2958, 0.3036



76.5466, 0.2920, 0.2978



47.7137, 0.3029, 0.3015



11.0096, 0.2982, 0.3073



3.0992, 0.1519, 0.0669



0.2191, 0.1578, 0.0880



# Previews

## White Background



This preview shows how the Yxy color 57.1604, 0.3291, 0.3532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

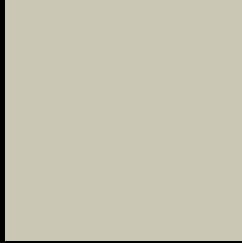
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1604, 0.3291, 0.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

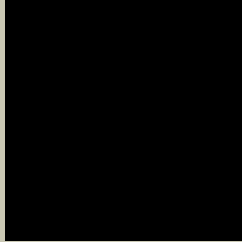
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

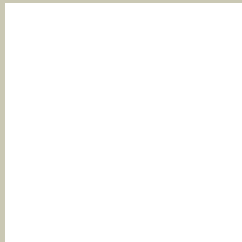
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1604, 0.3291, 0.3532**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1604, 0.3291, 0.3532.



This preview shows how white text looks on a background with the Yxy color 57.1604, 0.3291, 0.3532.

# 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

57.1604, 0.3291, 0.3532

### Protanopia

56.9082, 0.3342, 0.3518

### Deuteranopia

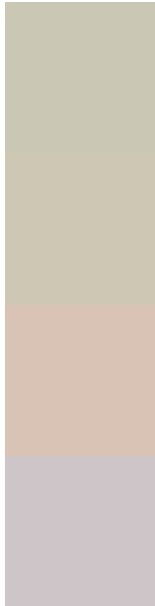
57.0842, 0.3481, 0.3405



## Tritanopia

56.8552, 0.3097, 0.3104

# Trichromacy



## Original Color

57.1604, 0.3291, 0.3532

## Protanomaly

57.0807, 0.3324, 0.3531

## Deuteranomaly

57.1181, 0.3415, 0.3454

## Tritanomaly

57.0818, 0.3168, 0.3255

# Monochromacy



## Original Color

57.1604, 0.3291, 0.3532

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.7505, 0.3186, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1604, 0.3291, 0.3532 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(202, 200, 180)` looks like.

```
.text, #text, p{  
    color:rgb(202, 200, 180)  
}
```

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(202, 200, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 200, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1604, 0.3291, 0.3532 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(202, 200, 180) }
```

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

```
.border{ border-color:rgb(202, 200, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 200, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 200, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 200, 180);  
box-shadow:4px 4px 4px 4px rgb(202, 200,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1604, 0.3291, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 200, 180) }
```

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

```
.background{ background-color: rgb(202,  
200, 180) }
```

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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