

# Converting Colors

$Y_{xy}(30.6093, 0.3543, 0.3304)$

Have a look what the booklet for  
Yxy(30.6093, 0.3543, 0.3304)  
contains.

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# Color

**Yxy(30.4378, 0.3535, 0.3291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B28D8D
RGB	178, 141, 141
RGB Percent	70%, 55%, 55%
CMY	0.3019, 0.4471, 0.4470
CMYK	0.00, 0.21, 0.21, 0.30
HSL	360°, 19%, 63%
HSV	360°, 21%, 70%
XYZ	32.6945, 30.4378, 29.3557
YIQ	152.0630, 22.0520, 7.8440

# Conversions

## Conversions Part 2

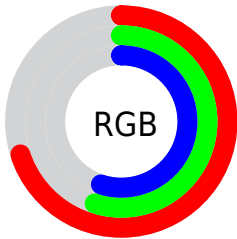
Format	Color
R <sub>Y</sub> B	178, 141, 141
Decimal	11701645
CIE Lab	62.03, 14.00, 5.33
CIE LCh	62, 14.978, 20.851
Yxy	30.4378, 0.3535, 0.3291
Android (android.graphics.Color)	4289891725 (0xFFB28D8D)
YUV	152.0630, -5.4541, 22.7467
Hunter-Lab	55.1705, 9.2324, 7.0717

# Details

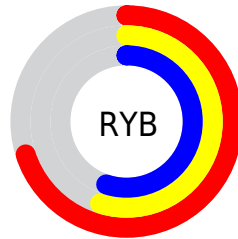
The Yxy color **30.4378, 0.3535, 0.3291** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.7205, 0.2822, 0.3289**, and the grayscale version is **31.4460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4628, 0.3445, 0.3291**, and **12.5975, 0.3681, 0.3292** is the 20% darker color. If you saturate the color by 10%, you get **25.1169, 0.3808, 0.3292**, and if you desaturate by 10%, it is **36.6903, 0.3315, 0.3290**.

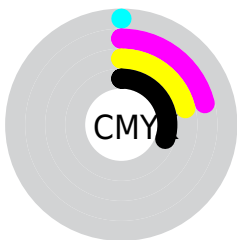
# Distribution



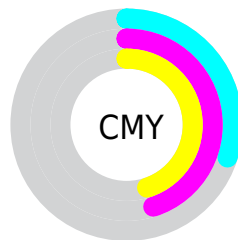
- Red (70%)
- Green (55%)
- Blue (55%)



- Red (70%)
- Yellow (55%)
- Blue (55%)



- Cyan (0%)
- Magenta (21%)
- Yellow (21%)
- Black (30%)




- Cyan (30%)
- Magenta (45%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4378, 0.3535, 0.3291 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 30.4378, 0.3535, 0.3291 by changing the saturation by 10% instead.





 30.4378, 0.3535,  
0.3291


 30.4378, 0.3535,  
0.3291


303.9398, 0.3315,  
0.3293

 20.1711, 0.3596,  
0.3289


 60.3538, 0.3451,  
0.3293

 12.5195, 0.3678,  
0.3286


 80.7720, 0.3421,  
0.3293

 7.0985, 0.3794,  
0.3280


 105.3428, 0.3396,  
0.3293

 3.5238, 0.3972,  
0.3268

134.4506, 0.3374,  
0.3293

 1.4109, 0.4277,  
0.3239

168.4798, 0.3356,  
0.3293

 0.2247, 0.7119,  
0.2881


207.8148, 0.3341,


 0.0000, 0.0000,


0.3293

0.0000


252.8400, 0.3327,  
0.3293


 30.4378, 0.3535,  
0.3291

 30.4378, 0.3535,  
0.3291


 25.1169, 0.3808,  
0.3292


 36.6903, 0.3315,  
0.3290


 20.6791, 0.4144,  
0.3293


 43.9116, 0.3139,  
0.3290

 17.0779, 0.4545,  
0.3294

 52.1418, 0.2998,  
0.3290

 14.2610, 0.5000,  
0.3295

 61.4177, 0.2885,  
0.3289

 12.1698, 0.5474,  
0.3297

 71.7742, 0.2793,  
0.3289

■ 10.7380, 0.5906,  
0.3298

■ 83.2445, 0.2717,  
0.3289

■ 9.8870, 0.6223,  
0.3299

■ 88.2058, 0.2691,  
0.3289

■ 9.4659, 0.6400,  
0.3300

# Harmonies

## Analogous

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



30.4378, 0.3349, 0.3097



30.4378, 0.3535, 0.3291



30.4378, 0.3607, 0.3492

# Triad

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



30.4378, 0.3535, 0.3291



30.4378, 0.3133, 0.3663



30.4378, 0.2721, 0.2925

# Complementary

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



30.4378, 0.3535, 0.3291



40.7205, 0.2822, 0.3289

# 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.



30.4378, 0.2670, 0.3060



30.4378, 0.3535, 0.3291



30.4378, 0.2901, 0.3493

# Square

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



30.4378, 0.3535, 0.3291



30.4378, 0.3369, 0.3719



30.4378, 0.2734, 0.3268



30.4378, 0.2878, 0.2889



# Rectangle

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



30.4378, 0.3535, 0.3291



30.4378, 0.3580, 0.3606



30.4378, 0.2734, 0.3268



30.4378, 0.2691, 0.2959

# Sweetspot

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



30.4392, 0.3535, 0.3291



72.4417, 0.3228, 0.3290



31.6576, 0.3145, 0.2782



15.8651, 0.3239, 0.3290



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



30.4392, 0.3535, 0.3291



50.5090, 0.3655, 0.3291



36.1464, 0.3485, 0.3544



8.5053, 0.3287, 0.3290



6.7724, 0.6400, 0.3299



0.2131, 0.6398, 0.3298



# Inverse Universe

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



30.4392, 0.3535, 0.3291



50.5090, 0.3655, 0.3291



34.0609, 0.2805, 0.3022



8.5053, 0.3287, 0.3290



6.7724, 0.6400, 0.3299



0.2131, 0.6398, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 30.4378, 0.3535, 0.3291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

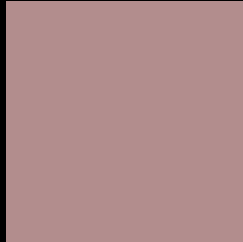
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.4378, 0.3535, 0.3291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

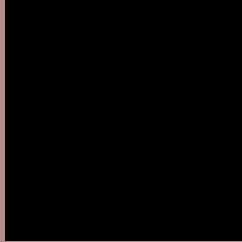
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.4378, 0.3535, 0.3291**

## Background



This preview shows how black text looks on a background with the Yxy color 30.4378, 0.3535, 0.3291.



This preview shows how white text looks on a background with the Yxy color 30.4378, 0.3535, 0.3291.

# 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

30.4378, 0.3535, 0.3291

### Protanopia

30.4402, 0.3208, 0.3337

### Deuteranopia

30.4691, 0.3425, 0.3365



## Tritanopia

30.5419, 0.3451, 0.3149

# Trichromacy



## Original Color

30.4378, 0.3535, 0.3291

## Protanomaly

30.3579, 0.3327, 0.3321

## Deuteranomaly

30.6106, 0.3471, 0.3350

## Tritanomaly

30.4465, 0.3483, 0.3191

# Monochromacy



## Original Color

30.4378, 0.3535, 0.3291

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.8950, 0.3263, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.4378, 0.3535, 0.3291 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(178, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(178, 141, 141)  
}
```

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(178, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 141, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 30.4378, 0.3535, 0.3291 is called "border". The border property can be set on classes, ids or directly on the HTML element.

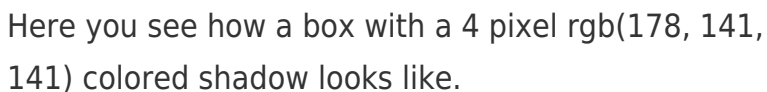
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 141, 141) }
```

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

```
.border{ border-color:rgb(178, 141, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 141, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 141, 141); box-shadow:4px 4px 4px 4px rgb(178, 141, 141) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.4378, 0.3535, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 141, 141) }
```

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

```
.background{ background-color: rgb(178,  
141, 141) }
```

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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