

# Converting Colors

$Y_{xy}(35.7101, 0.4016, 0.3520)$

Have a look what the booklet for  
Yxy(35.7101, 0.4016, 0.3520)  
contains.

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# Color

**Yxy(35.8179, 0.4005, 0.3520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D29280
RGB	210, 146, 128
RGB Percent	82%, 57%, 50%
CMY	0.1765, 0.4274, 0.4981
CMYK	0.00, 0.30, 0.39, 0.18
HSL	13°, 48%, 66%
HSV	13°, 39%, 82%
XYZ	40.7530, 35.8179, 25.1845
YIQ	163.0840, 43.9220, 7.9700

# Conversions

## Conversions Part 2

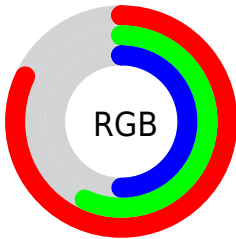
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 151, 128
Decimal	13800064
CIE <sub>Lab</sub>	66.38, 21.94, 19.27
CIE <sub>LCh</sub>	66, 29.201, 41.285
Yxy	35.8179, 0.4005, 0.3520
Android (android.graphics.Color)	4291990144 (0xFFD29280)
YUV	163.0840, -17.2964, 41.1453
Hunter-Lab	59.8481, 16.8140, 16.9440

# Details

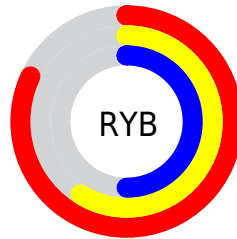
The Yxy color **35.8179, 0.4005, 0.3520** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.9347, 0.2553, 0.3042**, and the grayscale version is **36.7360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9047, 0.3719, 0.3489**, and **15.5212, 0.4278, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **30.6271, 0.4339, 0.3576**, and if you desaturate by 10%, it is **41.8507, 0.3719, 0.3459**.

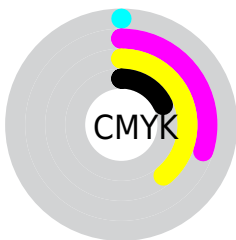
# Distribution



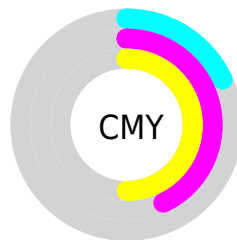
- Red (82%)
- Green (57%)
- Blue (50%)



- Red (82%)
- Yellow (59%)
- Blue (50%)



- Cyan (0%)
- Magenta (30%)
- Yellow (39%)
- Black (18%)




- Cyan (18%)
- Magenta (43%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8179, 0.4005, 0.3520 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 35.8179, 0.4005, 0.3520 by changing the saturation by 10% instead.





 35.8179, 0.4005,  
0.3520


 35.8179, 0.4005,  
0.3520

328.1639, 0.3543,  
0.3416

 24.2936, 0.4127,  
0.3541


 68.7509, 0.3832,  
0.3485

 15.5515, 0.4288,  
0.3565


 90.9284, 0.3768,  
0.3471

 9.2074, 0.4507,  
0.3590


 117.4257, 0.3715,  
0.3459

 4.8767, 0.4821,  
0.3610

148.6273, 0.3670,  
0.3448

 2.1751, 0.5334,  
0.3621

184.9175, 0.3632,  
0.3439

 0.7064, 0.6412,  
0.3588

226.6808, 0.3598,

 0.0000, 1.0000,

0.3430

0.0000

274.3014, 0.3569,  
0.3422

0.0000, 0.0000,  
0.0000

35.8179, 0.4005,  
0.3520

35.8179, 0.4005,  
0.3520

30.6271, 0.4339,  
0.3576

41.8507, 0.3719,  
0.3459

26.2355, 0.4716,  
0.3619

48.7558, 0.3479,  
0.3398

22.6040, 0.5121,  
0.3641

56.5681, 0.3279,  
0.3340


19.6881, 0.5520,  
0.3631

65.3192, 0.3113,  
0.3285

17.4383, 0.5869,  
0.3582

75.0389, 0.2975,  
0.3235

 15.7942, 0.6130,  
0.3504

 85.7561, 0.2860,  
0.3189

 15.6658, 0.6152,  
0.3497

 92.4417, 0.2860,  
0.3289

# Harmonies

## Analogous

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



35.8179, 0.3793, 0.3162



35.8179, 0.4005, 0.3520



35.8179, 0.3958, 0.3852

# Triad

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



35.8179, 0.4005, 0.3520



35.8179, 0.2831, 0.3799



35.8179, 0.2566, 0.2573

# Complementary

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



35.8179, 0.4005, 0.3520



46.9347, 0.2553, 0.3042

# 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.



35.8179, 0.2349, 0.2678



35.8179, 0.4005, 0.3520



35.8179, 0.2492, 0.3374

# Square

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



35.8179, 0.4005, 0.3520



35.8179, 0.3265, 0.4062



35.8179, 0.2323, 0.2959



35.8179, 0.2939, 0.2639



# Rectangle

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



35.8179, 0.4005, 0.3520



35.8179, 0.3794, 0.4014



35.8179, 0.2323, 0.2959



35.8179, 0.2474, 0.2588

# Sweetspot

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



35.8196, 0.4005, 0.3520



83.8836, 0.3336, 0.3357



32.9539, 0.3350, 0.2519



17.6068, 0.3362, 0.3365



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.



35.8196, 0.4005, 0.3520



48.6702, 0.4285, 0.3568



50.7007, 0.3808, 0.4006



12.2233, 0.3285, 0.3342



9.6790, 0.6129, 0.3516



0.6619, 0.5767, 0.3803

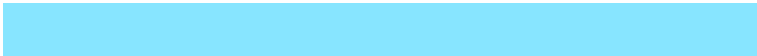


# Inverse Universe

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



46.9347, 0.2553, 0.3042



68.2412, 0.2444, 0.2979



31.4482, 0.2463, 0.2448



12.9480, 0.2983, 0.3238



19.1598, 0.2048, 0.2572



1.1830, 0.2089, 0.2718



# Previews

## White Background



This preview shows how the Yxy color 35.8179, 0.4005, 0.3520 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 35.8179, 0.4005, 0.3520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

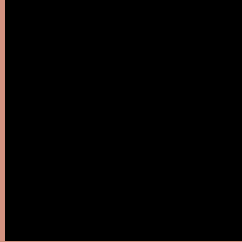
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.8179, 0.4005, 0.3520**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8179, 0.4005, 0.3520.



This preview shows how white text looks on a background with the Yxy color 35.8179, 0.4005, 0.3520.

# 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

35.8179, 0.4005, 0.3520

### Protanopia

35.8969, 0.3465, 0.3668

### Deuteranopia

35.7679, 0.3762, 0.3689



## Tritanopia

35.6430, 0.3768, 0.3155

# Trichromacy



## Original Color

35.8179, 0.4005, 0.3520

## Protanomaly

35.7572, 0.3655, 0.3625

## Deuteranomaly

35.8591, 0.3849, 0.3624

## Tritanomaly

35.5074, 0.3853, 0.3280

# Monochromacy



## Original Color

35.8179, 0.4005, 0.3520

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

36.0192, 0.3423, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8179, 0.4005, 0.3520 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(210, 146, 128)` looks like.

```
.text, #text, p{  
    color:rgb(210, 146, 128)  
}
```

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(210, 146, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 146, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8179, 0.4005, 0.3520 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(210, 146, 128) }
```

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

```
.border{ border-color:rgb(210, 146, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 146, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 146, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 146, 128); box-shadow:4px 4px 4px 4px rgb(210, 146, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8179, 0.4005, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 146, 128) }
```

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

```
.background{ background-color: rgb(210,  
146, 128) }
```

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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