

# Converting Colors

$Yxy(28.5434, 0.4077, 0.3536)$

Have a look what the booklet for  
Yxy(28.5434, 0.4077, 0.3536)  
contains.

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# **Color**

**Yxy(28.4950, 0.4077, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C18271
RGB	193, 130, 113
RGB Percent	76%, 51%, 44%
CMY	0.2431, 0.4902, 0.5569
CMYK	0.00, 0.33, 0.41, 0.24
HSL	13°, 39%, 60%
HSV	13°, 41%, 76%
XYZ	32.9572, 28.4950, 19.3847
YIQ	146.8990, 43.0050, 8.0690

# Conversions

## Conversions Part 2

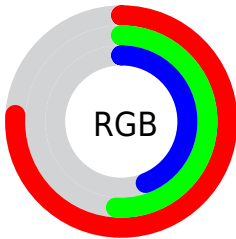
Format	Color
<b>RYB</b>	193, 135, 113
Decimal	12681841
CIELab	60.33, 22.25, 19.10
CIELCh	60, 29.320, 40.645
Yxy	28.4950, 0.4077, 0.3525
Android (android.graphics.Color)	4290871921 (0xFFC18271)
YUV	146.8990, -16.7122, 40.4306
Hunter-Lab	53.3807, 16.7895, 15.8359

# Details

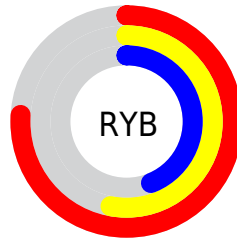
The Yxy color **28.4950, 0.4077, 0.3525** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.4140, 0.2525, 0.3035**, and the grayscale version is **29.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0928, 0.3876, 0.3484**, and **11.4373, 0.4413, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **24.3577, 0.4421, 0.3577**, and if you desaturate by 10%, it is **33.3248, 0.3780, 0.3467**.

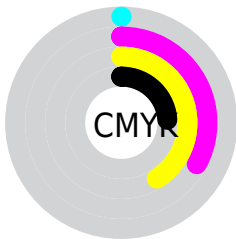
# Distribution



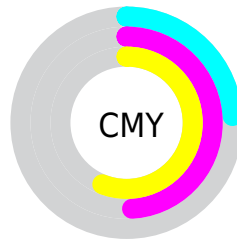
- Red (76%)
- Green (51%)
- Blue (44%)



- Red (76%)
- Yellow (53%)
- Blue (44%)



- Cyan (0%)
- Magenta (33%)
- Yellow (41%)
- Black (24%)




- Cyan (24%)
- Magenta (49%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4950, 0.4077, 0.3525 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 28.4950, 0.4077, 0.3525 by changing the saturation by 10% instead.





 28.4950, 0.4077,  
0.3525


 28.4950, 0.4077,  
0.3525


294.8247, 0.3559,  
0.3416


 18.6991, 0.4221,  
0.3547


 57.2738, 0.3878,  
0.3489


 11.4531, 0.4414,  
0.3570


 77.0255, 0.3807,  
0.3474

 6.3725, 0.4686,  
0.3591


 100.8645, 0.3747,  
0.3461

 3.0729, 0.5090,  
0.3595

 129.1754, 0.3698,  
0.3450

 1.1699, 0.6192,  
0.3808

162.3425, 0.3655,  
0.3440

 0.0369, 0.9400,  
0.0600


200.7501, 0.3619,

 0.0000, 0.0000,

0.3431

0.0000

244.7827, 0.3587,  
0.3423


 28.4950, 0.4077,  
0.3525


 28.4950, 0.4077,  
0.3525


 24.3577, 0.4421,  
0.3577

 33.3248, 0.3780,  
0.3467

 20.8767, 0.4807,  
0.3615


 38.8729, 0.3531,  
0.3408


 18.0189, 0.5214,  
0.3629


 45.1686, 0.3322,  
0.3351


 15.7462, 0.5608,  
0.3612

 52.2386, 0.3150,  
0.3297


 14.0164, 0.5941,  
0.3557

 60.1082, 0.3006,  
0.3248

 12.9258, 0.6158,  
0.3493

 68.8013, 0.2887,  
0.3203

 78.3412, 0.2787,  
0.3162

 87.9250, 0.2765,  
0.3253

 90.0787, 0.2768,  
0.3289

# Harmonies

## Analogous

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



28.4950, 0.3842, 0.3142



28.4950, 0.4077, 0.3525



28.4950, 0.4030, 0.3886

# Triad

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



28.4950, 0.4077, 0.3525



28.4950, 0.2814, 0.3853



28.4950, 0.2514, 0.2519

# Complementary

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



28.4950, 0.4077, 0.3525



38.4140, 0.2525, 0.3035

# 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.



28.4950, 0.2287, 0.2633



28.4950, 0.4077, 0.3525



28.4950, 0.2447, 0.3389

# Square

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



28.4950, 0.4077, 0.3525



28.4950, 0.3284, 0.4134



28.4950, 0.2262, 0.2937



28.4950, 0.2912, 0.2587



# Rectangle

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



28.4950, 0.4077, 0.3525



28.4950, 0.3854, 0.4067



28.4950, 0.2262, 0.2937



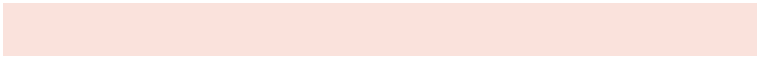
28.4950, 0.2417, 0.2536

# Sweetspot

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



28.4964, 0.4077, 0.3525



80.0160, 0.3336, 0.3355



26.3229, 0.3351, 0.2461



16.8344, 0.3362, 0.3363



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



28.4964, 0.4077, 0.3525



44.0806, 0.4397, 0.3574



40.9089, 0.3858, 0.4029



10.4171, 0.3284, 0.3340



8.6929, 0.6137, 0.3509



0.4787, 0.5703, 0.3854



# Inverse Universe

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



38.4140, 0.2525, 0.3035



64.2126, 0.2411, 0.2967



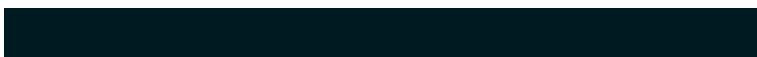
25.2527, 0.2426, 0.2414



11.0533, 0.2984, 0.3240



17.6132, 0.2055, 0.2599



0.8541, 0.2103, 0.2770



# Previews

## White Background



This preview shows how the Yxy color 28.4950, 0.4077, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

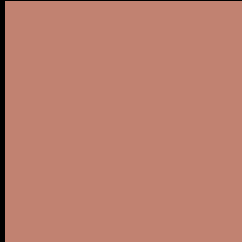
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.4950, 0.4077, 0.3525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

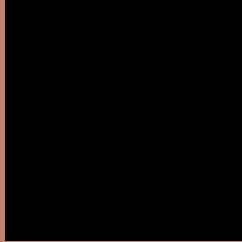
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.4950, 0.4077, 0.3525**

## Background



This preview shows how black text looks on a background with the Yxy color 28.4950, 0.4077, 0.3525.



This preview shows how white text looks on a background with the Yxy color 28.4950, 0.4077, 0.3525.

# 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

28.4950, 0.4077, 0.3525

### Protanopia

28.7839, 0.3475, 0.3705

### Deuteranopia

28.5618, 0.3790, 0.3727



## Tritanopia

28.5584, 0.3834, 0.3170

# Trichromacy



**Original Color**

28.4950, 0.4077, 0.3525

**Protanomaly**

28.3654, 0.3689, 0.3642

**Deuteranomaly**

28.3619, 0.3893, 0.3641

**Tritanomaly**

28.4662, 0.3917, 0.3292

# Monochromacy



**Original Color**

28.4950, 0.4077, 0.3525

**Achromatopsia**

29.1771, 0.3127, 0.3290

**Achromatomaly**

28.6915, 0.3444, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.4950, 0.4077, 0.3525 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(193, 130, 113)` looks like.

```
.text, #text, p{  
    color:rgb(193, 130, 113)  
}
```

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(193, 130, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 130, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 28.4950, 0.4077, 0.3525 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(193, 130, 113) }
```

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

```
.border{ border-color:rgb(193, 130, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 130, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 130, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 130, 113);  
box-shadow:4px 4px 4px 4px rgb(193, 130,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.4950, 0.4077, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 130, 113) }
```

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

```
.background{ background-color: rgb(193,  
130, 113) }
```

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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