

# Converting Colors

$Y_{xy}(29.3382, 0.4033, 0.3286)$

Have a look what the booklet for  
Yxy(29.3382, 0.4033, 0.3286)  
contains.

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**Color**

**Yxy(29.4076, 0.4036, 0.3293)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB7F7F
RGB	203, 127, 127
RGB Percent	80%, 50%, 50%
CMY	0.2040, 0.5019, 0.5020
CMYK	0.00, 0.37, 0.37, 0.20
HSL	0°, 42%, 65%
HSV	0°, 37%, 80%
XYZ	36.0428, 29.4076, 23.8529
YIQ	149.7240, 45.2960, 16.1120

# Conversions

## Conversions Part 2

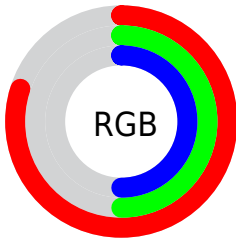
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 127, 127
Decimal	13336447
CIE <sub>Lab</sub>	61.14, 29.41, 12.43
CIE <sub>LCh</sub>	61, 31.929, 22.918
Yxy	29.4076, 0.4036, 0.3293
Android (android.graphics.Color)	4291526527 (0xFFC <sub>B</sub> 7F7F)
YUV	149.7240, -11.2029, 46.7231
Hunter-Lab	54.2288, 23.7386, 11.8810

# Details

The Yxy color **29.4076, 0.4036, 0.3293** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **51.5081, 0.2609, 0.3288**, and the grayscale version is **30.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6030, 0.3784, 0.3302**, and **11.9688, 0.4348, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **24.2073, 0.4421, 0.3294**, and if you desaturate by 10%, it is **35.7728, 0.3717, 0.3292**.

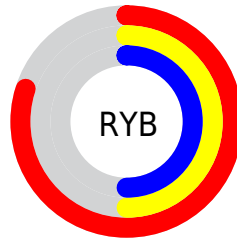
# Distribution



Red (80%)

Green (50%)

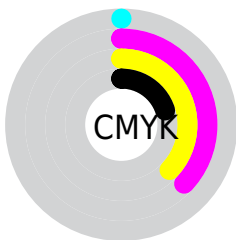
Blue (50%)



Red (80%)

Yellow (50%)

Blue (50%)

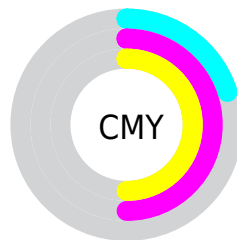


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (20%)



Cyan (20%)

Magenta (50%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4076, 0.4036, 0.3293 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 29.4076, 0.4036, 0.3293 by changing the saturation by 10% instead.





 29.4076, 0.4036,  
0.3293


 29.4076, 0.4036,  
0.3293


299.1333, 0.3542,  
0.3305


 19.3894, 0.4173,  
0.3284


 58.7241, 0.3847,  
0.3301

 11.9520, 0.4357,  
0.3268


 78.7911, 0.3778,  
0.3303

 6.7110, 0.4618,  
0.3239


 102.9765, 0.3722,  
0.3304

 3.2820, 0.5011,  
0.3178

131.6647, 0.3675,  
0.3305

 1.2807, 0.5762,  
0.3094

165.2401, 0.3634,  
0.3305

 0.1262, 0.8691,  
0.1309


204.0871, 0.3599,


 0.0000, 0.0000,


0.3305

0.0000

248.5900, 0.3569,  
0.3305


 29.4076, 0.4036,  
0.3293


 29.4076, 0.4036,  
0.3293


 24.2073, 0.4421,  
0.3294


 35.7728, 0.3717,  
0.3292


 20.0973, 0.4867,  
0.3296


 43.3628, 0.3459,  
0.3291

 17.0013, 0.5346,  
0.3297


 52.2386, 0.3253,  
0.3290


 14.8315, 0.5800,  
0.3298


 62.4560, 0.3088,  
0.3290

 13.4850, 0.6156,  
0.3299

 74.0673, 0.2956,  
0.3289

 12.8187, 0.6360,  
0.3300

 87.1223, 0.2850,  
0.3289

 12.6942, 0.6401,  
0.3300

 91.4326, 0.2821,  
0.3289

# Harmonies

## Analogous

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



29.4076, 0.3633, 0.2909



29.4076, 0.4036, 0.3293



29.4076, 0.4167, 0.3703

# Triad

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



29.4076, 0.4036, 0.3293



29.4076, 0.3080, 0.4116



29.4076, 0.2302, 0.2510

# Complementary

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



29.4076, 0.4036, 0.3293



51.5081, 0.2609, 0.3288

# 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.



29.4076, 0.2185, 0.2750



29.4076, 0.4036, 0.3293



29.4076, 0.2608, 0.3705

# Square

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



29.4076, 0.4036, 0.3293



29.4076, 0.3589, 0.4233



29.4076, 0.2290, 0.3181



29.4076, 0.2624, 0.2473



# Rectangle

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



29.4076, 0.4036, 0.3293



29.4076, 0.4082, 0.3951



29.4076, 0.2290, 0.3181



29.4076, 0.2239, 0.2567

# Sweetspot

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



29.4090, 0.4036, 0.3293



81.7196, 0.3324, 0.3291



32.1804, 0.3170, 0.2373



17.0504, 0.3352, 0.3291



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.



29.4090, 0.4036, 0.3293



42.0021, 0.4346, 0.3294



41.1291, 0.3850, 0.3779



11.2143, 0.3290, 0.3291



8.0813, 0.6400, 0.3300



0.4171, 0.6399, 0.3301



# Inverse Universe

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



51.5081, 0.2609, 0.3288



84.3111, 0.2521, 0.3288



35.7263, 0.2530, 0.2741



12.7264, 0.2984, 0.3290



29.9042, 0.2246, 0.3286



1.5429, 0.2246, 0.3287



# Previews

## White Background



This preview shows how the Yxy color 29.4076, 0.4036, 0.3293 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 29.4076, 0.4036, 0.3293 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 29.4076, 0.4036, 0.3293**

## Background



This preview shows how black text looks on a background with the Yxy color 29.4076, 0.4036, 0.3293.



This preview shows how white text looks on a background with the Yxy color 29.4076, 0.4036, 0.3293.

# 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

29.4076, 0.4036, 0.3293

### Protanopia

29.4747, 0.3279, 0.3432

### Deuteranopia

29.4592, 0.3639, 0.3561



## Tritanopia

29.5083, 0.3953, 0.3175

# Trichromacy



## Original Color

29.4076, 0.4036, 0.3293

## Protanomaly

29.1353, 0.3536, 0.3381

## Deuteranomaly

29.4393, 0.3785, 0.3463

## Tritanomaly

29.4250, 0.3990, 0.3215

# Monochromacy



## Original Color

29.4076, 0.4036, 0.3293

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

29.7340, 0.3422, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.4076, 0.4036, 0.3293 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(203, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(203, 127, 127)  
}
```

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(203, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 127, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 29.4076, 0.4036, 0.3293 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(203, 127, 127) }
```

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

```
.border{ border-color:rgb(203, 127, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 127, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 127, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 127, 127); box-shadow:4px 4px 4px 4px rgb(203, 127, 127) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.4076, 0.4036, 0.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 127, 127) }
```

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

```
.background{ background-color: rgb(203,  
127, 127) }
```

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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