

# Converting Colors

$Y_{xy}(30.4849, 0.4025, 0.3457)$

Have a look what the booklet for  
Yxy(30.4849, 0.4025, 0.3457)  
contains.

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# Color

**Yxy(30.5728, 0.4027, 0.3466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C78679
RGB	199, 134, 121
RGB Percent	78%, 53%, 47%
CMY	0.2198, 0.4744, 0.5255
CMYK	0.00, 0.33, 0.39, 0.22
HSL	10°, 41%, 63%
HSV	10°, 39%, 78%
XYZ	35.5213, 30.5728, 22.1137
YIQ	151.9530, 42.9130, 9.7370

# Conversions

## Conversions Part 2

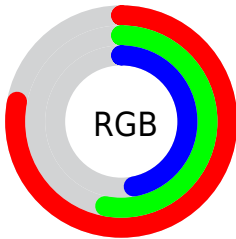
Format	Color
<a href="#">RYB</a>	<a href="#">199, 137, 121</a>
Decimal	<a href="#">13076089</a>
CIELab	<a href="#">62.15, 23.32, 17.17</a>
CIELCh	<a href="#">62, 28.960, 36.368</a>
Yxy	<a href="#">30.5728, 0.4027, 0.3466</a>
Android (android.graphics.Color)	<a href="#">4291266169</a> ( <a href="#">0xFFC78679</a> )
YUV	<a href="#">151.9530, -15.2598, 41.2602</a>
Hunter-Lab	<a href="#">55.2927, 17.9102, 14.9925</a>

# Details

The Yxy color **30.5728, 0.4027, 0.3466** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.2713, 0.2562, 0.3102**, and the grayscale version is **31.4316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2436, 0.3823, 0.3449**, and **12.6482, 0.4345, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **25.9074, 0.4375, 0.3508**, and if you desaturate by 10%, it is **36.0595, 0.3731, 0.3420**.

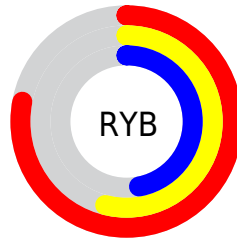
# Distribution



Red (78%)

Green (53%)

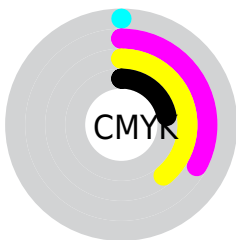
Blue (47%)



Red (78%)

Yellow (54%)

Blue (47%)

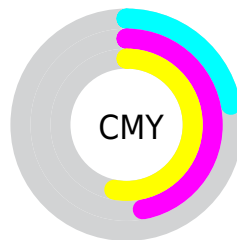


Cyan (0%)

Magenta (33%)

Yellow (39%)

Black (22%)



Cyan (22%)

Magenta (47%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5728, 0.4027, 0.3466 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 30.5728, 0.4027, 0.3466 by changing the saturation by 10% instead.





 30.5728, 0.4027,  
0.3466


 30.5728, 0.4027,  
0.3466


304.5654, 0.3541,  
0.3388


 20.2738, 0.4160,  
0.3481


 60.5669, 0.3842,  
0.3441

 12.5942, 0.4339,  
0.3495


 81.0307, 0.3775,  
0.3430

 7.1497, 0.4588,  
0.3507


 105.6515, 0.3719,  
0.3421

 3.5559, 0.4957,  
0.3504

134.8138, 0.3672,  
0.3413

 1.4284, 0.5762,  
0.3578

168.9020, 0.3632,  
0.3405

 0.2375, 0.7700,  
0.2300

208.3003, 0.3598,

 0.0000, 0.0000,

0.3399

0.0000

253.3933, 0.3567,  
0.3393

■ 30.5728, 0.4027,  
0.3466

■ 30.5728, 0.4027,  
0.3466

■ 25.9074, 0.4375,  
0.3508

■ 36.0595, 0.3731,  
0.3420

■ 22.0193, 0.4771,  
0.3540

■ 42.3999, 0.3485,  
0.3373

■ 18.8671, 0.5196,  
0.3553


■ 49.6301, 0.3282,  
0.3328

■ 16.4037, 0.5612,  
0.3540

■ 57.7827, 0.3115,  
0.3287

■ 14.5762, 0.5967,  
0.3497


■ 66.8887, 0.2977,  
0.3248

 13.3196, 0.6221,  
0.3432

 76.9778, 0.2863,  
0.3214

 13.2396, 0.6239,  
0.3428

 87.7346, 0.2796,  
0.3237

 90.8769, 0.2800,  
0.3289

# Harmonies

## Analogous

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



30.5728, 0.3765, 0.3098



30.5728, 0.4027, 0.3466



30.5728, 0.4022, 0.3822

# Triad

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



30.5728, 0.4027, 0.3466



30.5728, 0.2887, 0.3885



30.5728, 0.2492, 0.2548

# Complementary

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



30.5728, 0.4027, 0.3466



43.2713, 0.2562, 0.3102

# 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.



30.5728, 0.2298, 0.2686



30.5728, 0.4027, 0.3466



30.5728, 0.2511, 0.3453

# Square

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



30.5728, 0.4027, 0.3466



30.5728, 0.3346, 0.4119



30.5728, 0.2304, 0.3006



30.5728, 0.2858, 0.2590



# Rectangle

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



30.5728, 0.4027, 0.3466



30.5728, 0.3874, 0.4010



30.5728, 0.2304, 0.3006



30.5728, 0.2406, 0.2574

# Sweetspot

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



30.5743, 0.4027, 0.3466



82.9885, 0.3338, 0.3342



29.3522, 0.3308, 0.2474



17.3976, 0.3365, 0.3347



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.



30.5743, 0.4027, 0.3466



46.5196, 0.4320, 0.3502



43.3927, 0.3827, 0.3960



10.9188, 0.3285, 0.3329



8.6048, 0.6220, 0.3443



0.4993, 0.5851, 0.3736

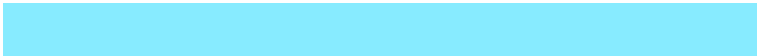


# Inverse Universe

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



43.2713, 0.2562, 0.3102



71.7769, 0.2458, 0.3055



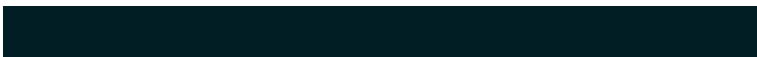
29.0466, 0.2472, 0.2509



11.7540, 0.2984, 0.3250



20.2348, 0.2098, 0.2753



1.0405, 0.2132, 0.2877



# Previews

## White Background



This preview shows how the Yxy color 30.5728, 0.4027, 0.3466 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 30.5728, 0.4027, 0.3466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

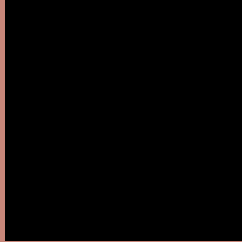
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.5728, 0.4027, 0.3466**

## Background



This preview shows how black text looks on a background with the Yxy color 30.5728, 0.4027, 0.3466.



This preview shows how white text looks on a background with the Yxy color 30.5728, 0.4027, 0.3466.

# 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

30.5728, 0.4027, 0.3466

### Protanopia

30.6668, 0.3416, 0.3616

### Deuteranopia

30.8128, 0.3737, 0.3672



## Tritanopia

30.5732, 0.3826, 0.3161

# Trichromacy



**Original Color**

30.5728, 0.4027, 0.3466

**Protanomaly**

30.3371, 0.3632, 0.3558

**Deuteranomaly**

30.5962, 0.3835, 0.3590

**Tritanomaly**

30.5031, 0.3894, 0.3266

# Monochromacy



**Original Color**

30.5728, 0.4027, 0.3466

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.6089, 0.3425, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.5728, 0.4027, 0.3466 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(199, 134, 121)` looks like.

```
.text, #text, p{  
    color:rgb(199, 134, 121)  
}
```

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(199, 134, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 134, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 30.5728, 0.4027, 0.3466 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(199, 134, 121) }
```

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

```
.border{ border-color:rgb(199, 134, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 134, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 134, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 134, 121);  
box-shadow:4px 4px 4px 4px rgb(199, 134,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.5728, 0.4027, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 134, 121) }
```

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

```
.background{ background-color: rgb(199,  
134, 121) }
```

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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