

# Converting Colors

$Yxy(60.9122, 0.3215, 0.3626)$

Have a look what the booklet for  
Yxy(60.9122, 0.3215, 0.3626)  
contains.

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# Color

**Yxy(61.2063, 0.3217, 0.3629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D2B6
RGB	196, 210, 182
RGB Percent	77%, 82%, 71%
CMY	0.2313, 0.1765, 0.2864
CMYK	0.07, 0.00, 0.13, 0.18
HSL	90°, 24%, 77%
HSV	90°, 13%, 82%
XYZ	54.2576, 61.2063, 53.1950
YIQ	202.6220, 0.6440, -11.6760

# Conversions

## Conversions Part 2

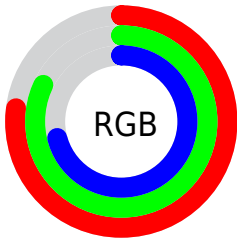
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 210, 196
Decimal	12898998
CIE Lab	82.49, -9.75, 12.29
CIE LCh	82, 15.688, 128.427
Yxy	61.2063, 0.3217, 0.3629
Android (android.graphics.Color)	4291089078 (0xFFC4D2B6)
YUV	202.6220, -10.1666, -5.8075
Hunter-Lab	78.2345, -13.1161, 14.4503

# Details

The Yxy color **61.2063, 0.3217, 0.3629** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.8269, 0.3027, 0.2951**, and the grayscale version is **59.5388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5757, 0.3214, 0.3454**, and **31.1127, 0.3235, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **59.0492, 0.3283, 0.3906**, and if you desaturate by 10%, it is **63.5969, 0.3150, 0.3371**.

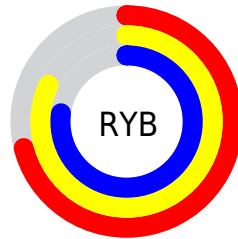
# Distribution



Red (77%)

Green (82%)

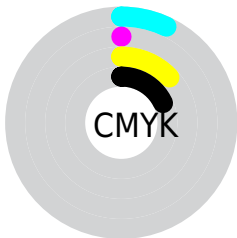
Blue (71%)



Red (71%)

Yellow (82%)

Blue (77%)

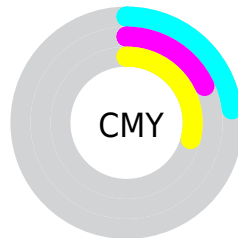


Cyan (7%)

Magenta (0%)

Yellow (13%)

Black (18%)



Cyan (23%)

Magenta (18%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2063, 0.3217, 0.3629 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 61.2063, 0.3217, 0.3629 by changing the saturation by 10% instead.



 61.2063, 0.3217,  
0.3629

 61.2063, 0.3217,  
0.3629


429.0300, 0.3176,  
0.3464

 44.3917, 0.3226,  
0.3669


 106.5776, 0.3203,  
0.3570

 30.9786, 0.3238,  
0.3719


135.9030, 0.3197,  
0.3548

 20.5825, 0.3252,  
0.3784


170.1676, 0.3192,  
0.3529

 12.8192, 0.3271,  
0.3873

209.7556, 0.3188,  
0.3512

 7.3042, 0.3295,  
0.4001

255.0514, 0.3184,  
0.3498

 3.6530, 0.3328,  
0.4199

306.4395, 0.3181,

 1.4814, 0.3405,

0.3485

0.4592

364.3042, 0.3178,  
0.3474

0.2756, 0.0799,  
0.9201

0.0000, 0.0000,  
0.0000

61.2063, 0.3217,  
0.3629

61.2063, 0.3217,  
0.3629

59.0492, 0.3283,  
0.3906

63.5969, 0.3150,  
0.3371

57.1098, 0.3344,  
0.4199

66.2205, 0.3083,  
0.3136

55.3827, 0.3396,  
0.4498

69.0865, 0.3018,  
0.2923

53.8589, 0.3435,  
0.4793

71.4747, 0.3027,  
0.2834

■ 52.5287, 0.3458,  
0.5069

■ 73.3392, 0.3101,  
0.2844

■ 51.3817, 0.3459,  
0.5311

■ 74.5734, 0.3148,  
0.2851

■ 50.4058, 0.3439,  
0.5506

■ 49.5869, 0.3397,  
0.5645

■ 49.1145, 0.3362,  
0.5712

# Harmonies

## Analogous

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



61.2063, 0.3398, 0.3634



61.2063, 0.3217, 0.3629



61.2063, 0.3016, 0.3524

# Triad

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



61.2063, 0.3217, 0.3629



61.2063, 0.2759, 0.3024



61.2063, 0.3411, 0.3222

# Complementary

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



61.2063, 0.3217, 0.3629



49.8269, 0.3027, 0.2951

# 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.



61.2063, 0.3231, 0.3072



61.2063, 0.3217, 0.3629



61.2063, 0.2857, 0.2957

# Square

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



61.2063, 0.3217, 0.3629



61.2063, 0.2756, 0.3167



61.2063, 0.3028, 0.2976



61.2063, 0.3513, 0.3393



# Rectangle

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



61.2063, 0.3217, 0.3629



61.2063, 0.2898, 0.3413



61.2063, 0.3028, 0.2976



61.2063, 0.3357, 0.3168

# Sweetspot

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



61.2090, 0.3217, 0.3629



98.4085, 0.3154, 0.3389



56.3416, 0.3348, 0.3452



21.0008, 0.3159, 0.3408



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.



61.2090, 0.3217, 0.3629



93.9891, 0.3236, 0.3706



59.4685, 0.3114, 0.3640



13.4933, 0.3191, 0.3525



30.0188, 0.3373, 0.5704



1.7256, 0.3513, 0.5593



# Inverse Universe

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



49.8269, 0.3027, 0.2951



72.9989, 0.3003, 0.2875



51.7314, 0.3139, 0.2963



11.7030, 0.3059, 0.3055



4.7192, 0.2027, 0.0890



0.3110, 0.2229, 0.1001



# Previews

## White Background



This preview shows how the Yxy color 61.2063, 0.3217, 0.3629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

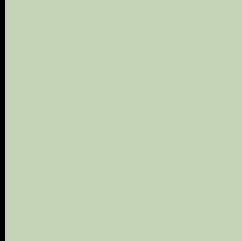
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2063, 0.3217, 0.3629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

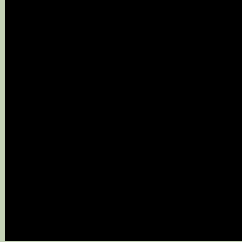
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

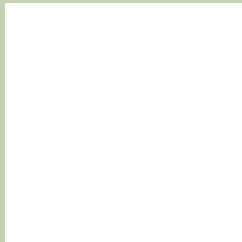
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2063, 0.3217, 0.3629**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2063, 0.3217, 0.3629.



This preview shows how white text looks on a background with the Yxy color 61.2063, 0.3217, 0.3629.

# 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

61.2063, 0.3217, 0.3629

### Protanopia

60.8875, 0.3397, 0.3582

### Deuteranopia

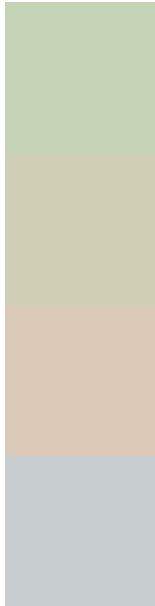
61.0047, 0.3510, 0.3447



## Tritanopia

60.9627, 0.2995, 0.3094

# Trichromacy



**Original Color**

61.2063, 0.3217, 0.3629

**Protanomaly**

60.8478, 0.3330, 0.3598

**Deuteranomaly**

60.7200, 0.3403, 0.3509

**Tritanomaly**

60.9270, 0.3075, 0.3278

# Monochromacy



**Original Color**

61.2063, 0.3217, 0.3629

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.3621, 0.3159, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2063, 0.3217, 0.3629 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(196, 210, 182)` looks like.

```
.text, #text, p{  
    color:rgb(196, 210, 182)  
}
```

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(196, 210, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 210, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2063, 0.3217, 0.3629 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(196, 210, 182) }
```

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

```
.border{ border-color:rgb(196, 210, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 210, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 210, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 210, 182);  
box-shadow:4px 4px 4px 4px rgb(196, 210,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2063, 0.3217, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 210, 182) }
```

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

```
.background{ background-color: rgb(196,  
210, 182) }
```

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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