

# Converting Colors

$Y_{xy}(59.2799, 0.3127, 0.3290)$

Have a look what the booklet for  
Yxy(59.2799, 0.3127, 0.3290)  
contains.

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# Color

**Yxy(59.0619, 0.3127, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CACACA
RGB	202, 202, 202
RGB Percent	79%, 79%, 79%
CMY	0.2079, 0.2078, 0.2078
CMYK	0.00, 0.00, 0.00, 0.21
HSL	174°, 0%, 79%
HSV	174°, 0%, 79%
XYZ	56.1357, 59.0619, 64.3218
YIQ	202.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	202, 202, 202
Decimal	13290186
CIE Lab	81.33, -0.00, -0.01
CIE LCh	81, 0.012, 259.964
Yxy	59.0619, 0.3127, 0.3290
Android (android.graphics.Color)	4291480266 (0xFFCACACA)
YUV	202.0000, 0.0000, 0.0000
Hunter-Lab	76.8517, -4.1067, 4.1729

# Details

The Yxy color **59.0619, 0.3127, 0.3290** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.0560, 0.3127, 0.3290**, and the grayscale version is **59.0631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.6138, 0.3127, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **56.3369, 0.2988, 0.3314**, and if you desaturate by 10%, it is **62.1620, 0.3270, 0.3269**.

# Distribution



Red (79%)

Green (79%)

Blue (79%)



Red (79%)

Yellow (79%)

Blue (79%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (21%)

Magenta (21%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0619, 0.3127, 0.3290 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 59.0619, 0.3127, 0.3290 by changing the saturation by 10% instead.



■ 59.0619, 0.3127,  
0.3290

■ 59.0619, 0.3127,  
0.3290

421.1313, 0.3127,  
0.3290

■ 42.6630, 0.3127,  
0.3290

103.4676, 0.3127,  
0.3290

■ 29.6208, 0.3127,  
0.3290

132.2432, 0.3127,  
0.3290

■ 19.5509, 0.3127,  
0.3290

165.9131, 0.3127,  
0.3290

■ 12.0690, 0.3127,  
0.3290

204.8617, 0.3127,  
0.3290

■ 6.7907, 0.3127,  
0.3290

249.4734, 0.3127,  
0.3290

■ 3.3316, 0.3127,  
0.3290

300.1327, 0.3127,

■ 1.3072, 0.3126,

0.3290

357.2238, 0.3127,  
0.3290

0.3289

0.1468, 0.3121,  
0.3285

0.0000, 0.0000,  
0.0000

59.0619, 0.3127,  
0.3290

59.0619, 0.3127,  
0.3290

56.3369, 0.2988,  
0.3314

62.1620, 0.3270,  
0.3269

53.9652, 0.2856,  
0.3340

65.6430, 0.3416,  
0.3249

51.9342, 0.2734,  
0.3368

68.0524, 0.3501,  
0.3231

50.2276, 0.2624,  
0.3398

68.1489, 0.3486,  
0.3211

■ 48.8279, 0.2530,  
0.3429

■ 68.2467, 0.3470,  
0.3191

■ 47.7158, 0.2454,  
0.3461

■ 68.3456, 0.3455,  
0.3171

■ 46.8701, 0.2396,  
0.3494

■ 68.4457, 0.3440,  
0.3152

■ 46.2662, 0.2357,  
0.3527

■ 68.5470, 0.3425,  
0.3132

■ 45.8754, 0.2337,  
0.3560

■ 68.6495, 0.3410,  
0.3112

# Harmonies

# Triad

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



59.0619, 0.3127, 0.3290



59.0619, 0.3128, 0.3290



59.0619, 0.3127, 0.3290

# Complementary

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



59.0619, 0.3127, 0.3290



59.0560, 0.3127, 0.3290

# 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.



59.0619, 0.3127, 0.3290



59.0619, 0.3127, 0.3290



59.0619, 0.3128, 0.3290

# Square

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



59.0619, 0.3127, 0.3290



59.0619, 0.3127, 0.3290



59.0619, 0.3128, 0.3290



59.0619, 0.3127, 0.3290



# Rectangle

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



59.0619, 0.3127, 0.3290



59.0619, 0.3127, 0.3290



59.0619, 0.3128, 0.3290



59.0619, 0.3127, 0.3290

# Sweetspot

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



59.0644, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



59.0638, 0.3127, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



59.0644, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



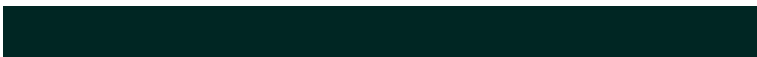
59.0602, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



29.3754, 0.2330, 0.3588



1.5210, 0.2312, 0.3524



# Inverse Universe

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



59.0560, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



59.0602, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



8.1174, 0.6279, 0.3233

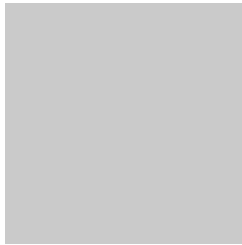


0.4249, 0.5928, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 59.0619, 0.3127, 0.3290 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 59.0619, 0.3127, 0.3290 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

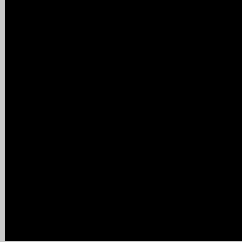
Any Text WCAG AAA ✓ Pass

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

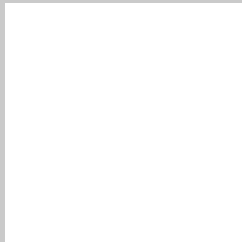


**Yxy 59.0619, 0.3127, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0619, 0.3127, 0.3290.

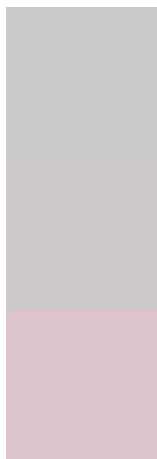


This preview shows how white text looks on a background with the Yxy color 59.0619, 0.3127, 0.3290.

# 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

59.0619, 0.3127, 0.3290

### Protanopia

58.9695, 0.3158, 0.3290

### Deuteranopia

59.1638, 0.3275, 0.3211



## Tritanopia

59.1038, 0.3044, 0.3105

# Trichromacy



## Original Color

59.0619, 0.3127, 0.3290

## Protanomaly

58.8277, 0.3150, 0.3290

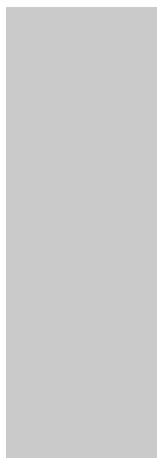
## Deuteranomaly

58.9961, 0.3217, 0.3233

## Tritanomaly

59.1729, 0.3071, 0.3173

# Monochromacy



## Original Color

59.0619, 0.3127, 0.3290

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.0619, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0619, 0.3127, 0.3290 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(202, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(202, 202, 202)  
}
```

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(202, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 202, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0619, 0.3127, 0.3290 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(202, 202, 202) }
```

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

```
.border{ border-color:rgb(202, 202, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 202, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 202, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 202, 202); box-shadow:4px 4px 4px 4px rgb(202, 202, 202) }
```

# Background

The CSS property to change the background color of an element to Yxy 59.0619, 0.3127, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 202, 202) }
```

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

```
.background{ background-color: rgb(202,  
202, 202) }
```

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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