

# Converting Colors

$Y_{xy}(52.6545, 0.3127, 0.3290)$

Have a look what the booklet for  
Yxy(52.6545, 0.3127, 0.3290)  
contains.

<b>Yxy(52.7115, 0.3127, 0.3290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Yxy(52.7115, 0.3127, 0.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0C0C0
RGB	192, 192, 192
RGB Percent	75%, 75%, 75%
CMY	0.2471, 0.2470, 0.2470
CMYK	0.00, 0.00, 0.00, 0.25
HSL	174°, 0%, 75%
HSV	174°, 0%, 75%
XYZ	50.1000, 52.7115, 57.4059
YIQ	192.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 192, 192
Decimal	12632256
CIELab	77.70, -0.00, -0.01
CIELCh	78, 0.011, 259.964
Yxy	52.7115, 0.3127, 0.3290
Android (android.graphics.Color)	4290822336 (0xFFC0C0C0)
YUV	192.0000, 0.0000, 0.0000
Hunter-Lab	72.6027, -3.8796, 3.9422

# Details

The Yxy color `52.7115, 0.3127, 0.3290` is a light color, and the websafe version is hex `CCCCCC`, and the color name is `silver`. A complement of this color would be `52.7062, 0.3127, 0.3290`, and the grayscale version is `52.7125, 0.3127, 0.3290`.

A 20% lighter version of the original color is `93.8686, 0.3127, 0.3290`, and `25.8183, 0.3127, 0.3290` is the 20% darker color. If you saturate the color by 10%, you get `50.2872, 0.2988, 0.3314`, and if you desaturate by 10%, it is `55.4684, 0.3270, 0.3269`.

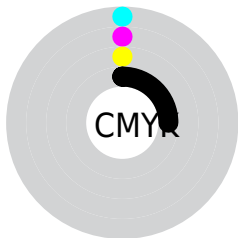
# Distribution



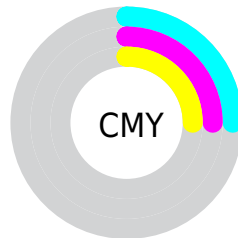
- Red (75%)
- Green (75%)
- Blue (75%)



- Red (75%)
- Yellow (75%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)




- Cyan (25%)
- Magenta (25%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7115, 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 52.7115, 0.3127, 0.3290 by changing the saturation by 10% instead.





 52.7115, 0.3127,  
0.3290

 52.7115, 0.3127,  
0.3290


397.1773, 0.3127,  
0.3290

 37.5725, 0.3127,  
0.3290


 94.1797, 0.3127,  
0.3290

 25.6511, 0.3127,  
0.3290


121.2777, 0.3127,  
0.3290

 16.5628, 0.3127,  
0.3290


153.1309, 0.3127,  
0.3290

 9.9233, 0.3127,  
0.3290

190.1235, 0.3127,  
0.3290

 5.3481, 0.3127,  
0.3290

232.6401, 0.3127,  
0.3290

 2.4529, 0.3127,  
0.3290

281.0650, 0.3127,

 0.8529, 0.3126,

0.3290

0.3289

335.7826, 0.3127,  
0.3290

0.0000, 0.0000,  
0.0000

52.7115, 0.3127,  
0.3290

52.7115, 0.3127,  
0.3290

50.2872, 0.2988,  
0.3314

55.4684, 0.3270,  
0.3269

48.1761, 0.2857,  
0.3340

58.5629, 0.3415,  
0.3250

46.3670, 0.2735,  
0.3368

62.0085, 0.3559,  
0.3233

44.8457, 0.2626,  
0.3397

63.1062, 0.3589,  
0.3215

43.5967, 0.2532,  
0.3428

63.1931, 0.3573,  
0.3195

■ 42.6030, 0.2455,  
0.3461

■ 63.2811, 0.3558,  
0.3176

■ 41.8458, 0.2397,  
0.3493

■ 63.3701, 0.3543,  
0.3157

■ 41.3035, 0.2358,  
0.3527

■ 63.4602, 0.3528,  
0.3138

■ 40.9509, 0.2337,  
0.3559

■ 63.5513, 0.3513,  
0.3119

# Harmonies

# Triad

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



52.7115, 0.3127, 0.3290



52.7115, 0.3128, 0.3290



52.7115, 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.



52.7115, 0.3127, 0.3290



52.7062, 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.



52.7115, 0.3127, 0.3290



52.7115, 0.3127, 0.3290



52.7115, 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.



52.7115, 0.3127, 0.3290



52.7115, 0.3127, 0.3290



52.7115, 0.3128, 0.3290



52.7115, 0.3127, 0.3290



# Rectangle

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



52.7115, 0.3127, 0.3290



52.7115, 0.3127, 0.3290



52.7115, 0.3128, 0.3290



52.7115, 0.3127, 0.3290

# Sweetspot

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



52.7138, 0.3127, 0.3290



95.5105, 0.3127, 0.3290



52.7132, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



97.7402, 0.3127, 0.3290

# Same Dimension

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



52.7138, 0.3127, 0.3290



95.5105, 0.3127, 0.3290



52.7100, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



27.4161, 0.2330, 0.3588



1.1895, 0.2310, 0.3515



# Inverse Universe

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



52.7062, 0.3127, 0.3290



95.5105, 0.3127, 0.3290



52.7100, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



7.5767, 0.6275, 0.3231



0.3328, 0.5882, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 52.7115, 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 52.7115, 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

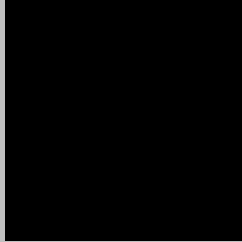
Any Text WCAG AAA ✓ Pass

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

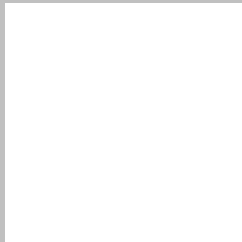


**Yxy 52.7115, 0.3127, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.7115, 0.3127, 0.3290.

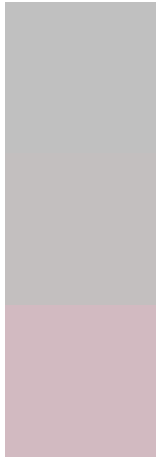


This preview shows how white text looks on a background with the Yxy color 52.7115, 0.3127, 0.3290.

# 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

52.7115, 0.3127, 0.3290

### Protanopia

52.6253, 0.3160, 0.3290

### Deuteranopia

52.6697, 0.3274, 0.3207



## Tritanopia

52.7040, 0.3047, 0.3108

# Trichromacy



## Original Color

52.7115, 0.3127, 0.3290

## Protanomaly

52.4925, 0.3152, 0.3290

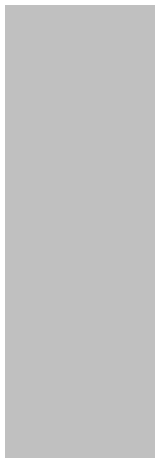
## Deuteranomaly

52.5132, 0.3213, 0.3230

## Tritanomaly

52.7692, 0.3076, 0.3180

# Monochromacy



## Original Color

52.7115, 0.3127, 0.3290

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

52.7115, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7115, 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(192, 192, 192)` looks like.

```
.text, #text, p{  
    color:rgb(192, 192, 192)  
}
```

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(192, 192, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 192, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7115, 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(192, 192, 192) }
```

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

```
.border{ border-color:rgb(192, 192, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 192, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 192, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 192, 192);  
box-shadow:4px 4px 4px 4px rgb(192, 192,  
192) }
```

# Background

The CSS property to change the background color of an element to Yxy 52.7115, 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(192, 192, 192) }
```

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

```
.background{ background-color: rgb(192,  
192, 192) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor