

# Converting Colors

$Y_{xy}(71.6023, 0.3127, 0.3290)$

Have a look what the booklet for  
Yxy(71.6023, 0.3127, 0.3290)  
contains.

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# Color

**Yxy(71.5694, 0.3127, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCDCDC
RGB	220, 220, 220
RGB Percent	86%, 86%, 86%
CMY	0.1373, 0.1372, 0.1372
CMYK	0.00, 0.00, 0.00, 0.14
HSL	174°, 0%, 86%
HSV	174°, 0%, 86%
XYZ	68.0236, 71.5694, 77.9432
YIQ	220.0000, 0.0000, 0.0000

# Conversions

## Conversions Part 2

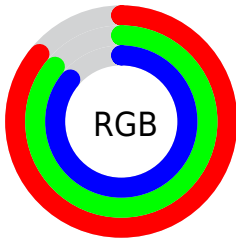
Format	Color
R <sub>Y</sub> B	220, 220, 220
Decimal	14474460
CIE Lab	87.76, -0.00, -0.01
CIE LCh	88, 0.013, 259.964
Yxy	71.5694, 0.3127, 0.3290
Android (android.graphics.Color)	4292664540 (0xFFDCDCDC)
YUV	220.0000, 0.0000, 0.0000
Hunter-Lab	84.5987, -4.5206, 4.5935

# Details

The Yxy color **71.5694, 0.3127, 0.3290** is a light color, and the websafe version is hex **CCCCCC**, and the color name is **gainsboro**. A complement of this color would be **71.5622, 0.3127, 0.3290**, and the grayscale version is **71.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6262, 0.3127, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **68.2509, 0.2987, 0.3314**, and if you desaturate by 10%, it is **75.3472, 0.3271, 0.3268**.

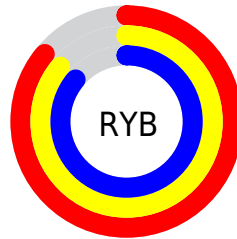
# Distribution



Red (86%)

Green (86%)

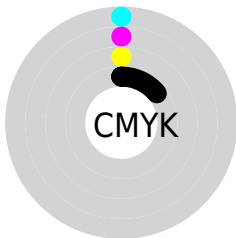
Blue (86%)



Red (86%)

Yellow (86%)

Blue (86%)

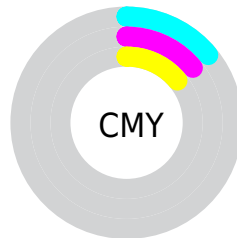


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5694, 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 71.5694, 0.3127, 0.3290 by changing the saturation by 10% instead.



 71.5694, 0.3127,  
0.3290

 71.5694, 0.3127,  
0.3290


466.0414, 0.3127,  
0.3290

 52.8070, 0.3127,  
0.3290


121.4441, 0.3127,  
0.3290

 37.6487, 0.3127,  
0.3290


153.3253, 0.3127,  
0.3290

 25.7102, 0.3127,  
0.3290


190.3481, 0.3127,  
0.3290

 16.6069, 0.3127,  
0.3290

232.8970, 0.3127,  
0.3290

 9.9546, 0.3127,  
0.3290

281.3564, 0.3127,  
0.3290

 5.3689, 0.3127,  
0.3290

336.1107, 0.3127,

 2.4653, 0.3126,

0.3290

397.5442, 0.3127,  
0.3290

0.3290

0.8592, 0.3126,  
0.3289

0.0000, 0.0000,  
0.0000

71.5694, 0.3127,  
0.3290

71.5694, 0.3127,  
0.3290

68.2509, 0.2987,  
0.3314

75.3472, 0.3271,  
0.3268

65.3650, 0.2854,  
0.3340


77.8473, 0.3352,  
0.3248


62.8961, 0.2732,  
0.3368

77.9635, 0.3337,  
0.3227


60.8242, 0.2622,  
0.3398


78.0811, 0.3322,  
0.3206

 59.1277, 0.2528,  
0.3430

 78.2002, 0.3307,  
0.3185

 57.7829, 0.2451,  
0.3462


 78.3207, 0.3293,  
0.3164

 56.7633, 0.2394,  
0.3495

 78.4427, 0.3278,  
0.3143

 56.0387, 0.2356,  
0.3529

 78.5662, 0.3263,  
0.3122

 55.5735, 0.2337,  
0.3562

 78.6912, 0.3249,  
0.3101

# Harmonies

# Triad

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



71.5694, 0.3127, 0.3290



71.5694, 0.3128, 0.3290



71.5694, 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.



71.5694, 0.3127, 0.3290



71.5622, 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.



71.5694, 0.3127, 0.3290



71.5694, 0.3127, 0.3290



71.5694, 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.



71.5694, 0.3127, 0.3290



71.5694, 0.3127, 0.3290



71.5694, 0.3128, 0.3290



71.5694, 0.3127, 0.3290



# Rectangle

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



71.5694, 0.3127, 0.3290



71.5694, 0.3127, 0.3290



71.5694, 0.3128, 0.3290



71.5694, 0.3127, 0.3290

# Sweetspot

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



71.5725, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



71.5717, 0.3127, 0.3290



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

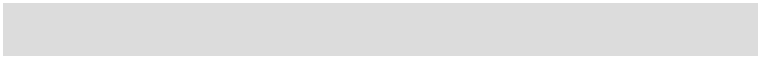
# Same Dimension

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



71.5725, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



71.5674, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



32.4633, 0.2330, 0.3590



2.1096, 0.2316, 0.3536



# Inverse Universe

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



71.5622, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



71.5673, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



8.9696, 0.6284, 0.3235

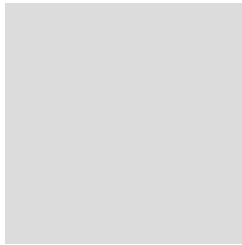


0.5882, 0.5987, 0.3072



# Previews

## White Background



This preview shows how the Yxy color 71.5694, 0.3127, 0.3290 looks on a white background.

## Color Contrast Check

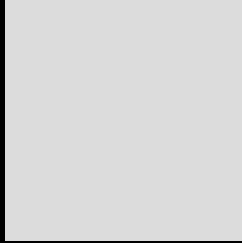
Large Text (above 18pt) WCAG AA × Fail

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 71.5694, 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

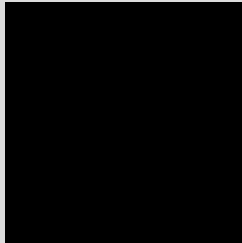
Any Text WCAG AAA ✓ Pass

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

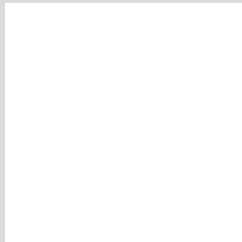


**Yxy 71.5694, 0.3127, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5694, 0.3127, 0.3290.

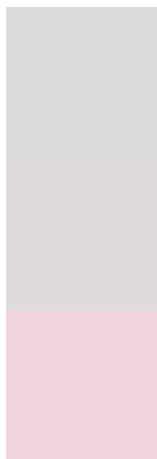


This preview shows how white text looks on a background with the Yxy color 71.5694, 0.3127, 0.3290.

# 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

71.5694, 0.3127, 0.3290

### Protanopia

71.6248, 0.3163, 0.3290

### Deuteranopia

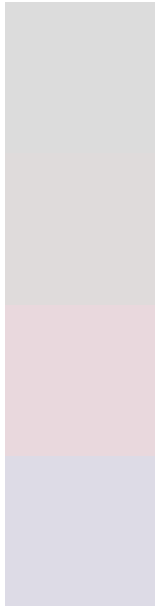
71.3342, 0.3272, 0.3207



## Tritanopia

71.6706, 0.3044, 0.3108

# Trichromacy



## Original Color

71.5694, 0.3127, 0.3290

## Protanomaly

71.4655, 0.3156, 0.3290

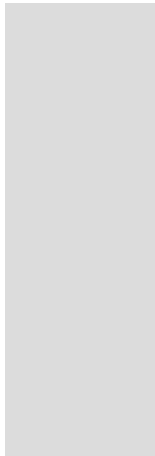
## Deuteranomaly

71.6558, 0.3217, 0.3237

## Tritanomaly

71.7484, 0.3069, 0.3171

# Monochromacy



## Original Color

71.5694, 0.3127, 0.3290

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.5694, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5694, 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(220, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 220)  
}
```

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(220, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5694, 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(220, 220, 220) }
```

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

```
.border{ border-color:rgb(220, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
220) }
```

# Background

The CSS property to change the background color of an element to Yxy 71.5694, 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(220, 220, 220) }
```

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

```
.background{ background-color: rgb(220,  
220, 220) }
```

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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