

# Converting Colors

$Y_{xy}(72.5650, 0.3127, 0.3290)$

Have a look what the booklet for  
Yxy(72.5650, 0.3127, 0.3290)  
contains.

<b>Yxy(72.3055, 0.3127, 0.3290)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	23
<b>Color Blindness Simulation</b> .....	26
<b>CSS Examples</b> .....	29

# Color

**Yxy(72.3055, 0.3127, 0.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDDDDD
RGB	221, 221, 221
RGB Percent	87%, 87%, 87%
CMY	0.1334, 0.1333, 0.1333
CMYK	0.00, 0.00, 0.00, 0.13
HSL	174°, 0%, 87%
HSV	174°, 0%, 87%
XYZ	68.7232, 72.3055, 78.7449
YIQ	221.0000, 0.0000, 0.0000

# Conversions

## Conversions Part 2

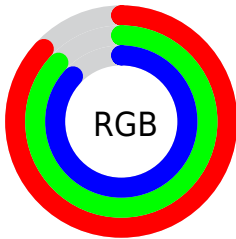
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 221, 221
Decimal	14540253
CIE <sub>Lab</sub>	88.12, -0.00, -0.01
CIE <sub>LCh</sub>	88, 0.013, 259.964
Yxy	72.3055, 0.3127, 0.3290
Android (android.graphics.Color)	4292730333 (0xFFDDDDDD)
YUV	221.0000, 0.0000, 0.0000
Hunter-Lab	85.0326, -4.5438, 4.6171

# Details

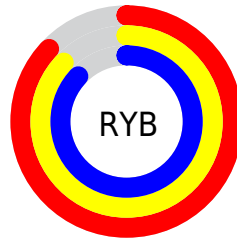
The Yxy color `72.3055, 0.3127, 0.3290` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.2982, 0.3127, 0.3290`, and the grayscale version is `72.3069, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.1326, 0.3127, 0.3290` is the 20% darker color. If you saturate the color by 10%, you get `68.9520, 0.2987, 0.3314`, and if you desaturate by 10%, it is `76.1233, 0.3271, 0.3268`.

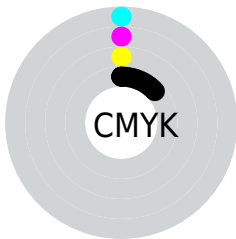
# Distribution



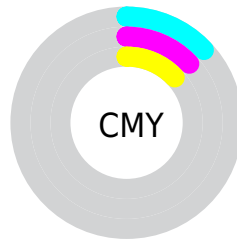
- Red (87%)
- Green (87%)
- Blue (87%)



- Red (87%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (13%)
- Magenta (13%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3055, 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 72.3055, 0.3127, 0.3290 by changing the saturation by 10% instead.




 72.3055, 0.3127,  
0.3290

 72.3055, 0.3127,  
0.3290


468.6042, 0.3127,  
0.3290

 53.4083, 0.3127,  
0.3290


122.4908, 0.3127,  
0.3290

 38.1288, 0.3127,  
0.3290


154.5476, 0.3127,  
0.3290

 26.0827, 0.3127,  
0.3290


191.7598, 0.3127,  
0.3290

 16.8855, 0.3127,  
0.3290

234.5116, 0.3127,  
0.3290

 10.1529, 0.3127,  
0.3290

283.1876, 0.3127,  
0.3290

 5.5004, 0.3127,  
0.3290

338.1721, 0.3127,

 2.5438, 0.3126,

0.3290

399.8495, 0.3127,  
0.3290

0.3290

0.8985, 0.3126,  
0.3289

0.0000, 0.0000,  
0.0000

72.3055, 0.3127,  
0.3290

72.3055, 0.3127,  
0.3290

68.9520, 0.2987,  
0.3314

76.1233, 0.3271,  
0.3268

66.0358, 0.2854,  
0.3340


78.4293, 0.3343,  
0.3248


63.5411, 0.2732,  
0.3368

78.5468, 0.3328,  
0.3227

61.4477, 0.2622,  
0.3398

78.6656, 0.3314,  
0.3205


 59.7338, 0.2528,  
0.3430


 78.7860, 0.3299,  
0.3184


 58.3752, 0.2451,  
0.3462

 78.9078, 0.3284,  
0.3163

 57.3454, 0.2394,  
0.3496

 79.0311, 0.3270,  
0.3142

 56.6138, 0.2356,  
0.3529

 79.1559, 0.3255,  
0.3122

 56.1442, 0.2337,  
0.3562

 79.2822, 0.3241,  
0.3101

# Harmonies

# Triad

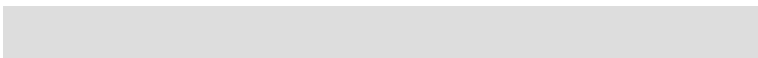
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3055, 0.3127, 0.3290



72.3055, 0.3128, 0.3290



72.3055, 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.



72.3055, 0.3127, 0.3290



72.2982, 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.



72.3055, 0.3127, 0.3290



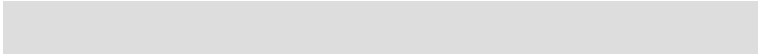
72.3055, 0.3127, 0.3290



72.3055, 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.



72.3055, 0.3127, 0.3290



72.3055, 0.3127, 0.3290



72.3055, 0.3128, 0.3290



72.3055, 0.3127, 0.3290



# Rectangle

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



72.3055, 0.3127, 0.3290



72.3055, 0.3127, 0.3290



72.3055, 0.3128, 0.3290



72.3055, 0.3127, 0.3290

# Sweetspot

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



72.3086, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



72.3078, 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.



72.3086, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



72.3034, 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.



72.2982, 0.3127, 0.3290

100.0000, 0.3127, 0.3290



72.3034, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



8.9696, 0.6284, 0.3235

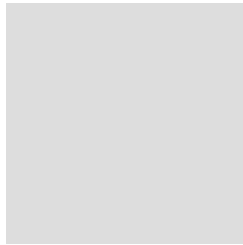


0.5882, 0.5987, 0.3072



# Previews

## White Background



This preview shows how the Yxy color 72.3055, 0.3127, 0.3290 looks on a white background.

## Color Contrast Check

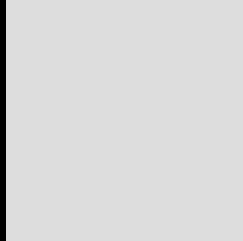
Large Text (above 18pt) WCAG AA × Fail

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 72.3055, 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

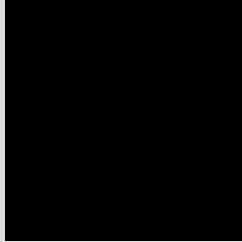
Any Text WCAG AAA ✓ Pass

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

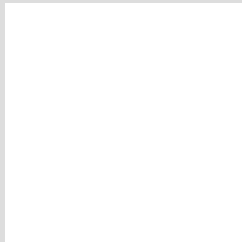


**Yxy 72.3055, 0.3127, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3055, 0.3127, 0.3290.

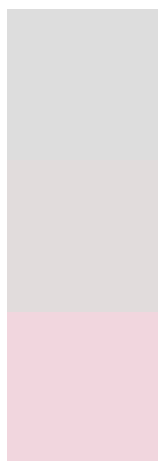


This preview shows how white text looks on a background with the Yxy color 72.3055, 0.3127, 0.3290.

# 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

72.3055, 0.3127, 0.3290

### Protanopia

72.3613, 0.3163, 0.3290

### Deuteranopia

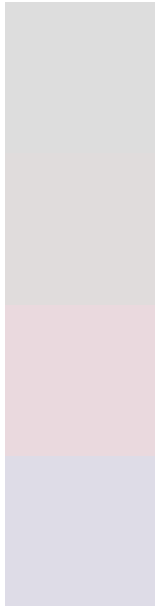
72.0678, 0.3271, 0.3207



## Tritanopia

72.4071, 0.3044, 0.3109

# Trichromacy



## Original Color

72.3055, 0.3127, 0.3290

## Protanomaly

72.2010, 0.3156, 0.3290

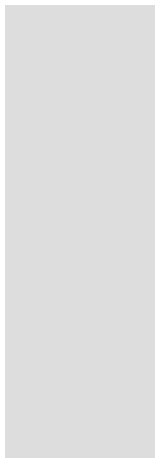
## Deuteranomaly

72.3921, 0.3217, 0.3237

## Tritanomaly

72.4855, 0.3069, 0.3172

# Monochromacy



## Original Color

72.3055, 0.3127, 0.3290

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.3055, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3055, 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(221, 221, 221)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 221)  
}
```

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(221, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3055, 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(221, 221, 221) }
```

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

```
.border{ border-color:rgb(221, 221, 221) }
```

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

Here you see how a box with a 4 pixel rgb(221, 221, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(221, 221,  
221) }
```

# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.3055, 0.3127, 0.3290$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 221, 221) }
```

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

```
.background{ background-color: rgb(221,  
221, 221) }
```

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