

# Converting Colors

$Y_{xy}(71.1315, 0.3051, 0.3211)$

Have a look what the booklet for  
Yxy(71.1315, 0.3051, 0.3211)  
contains.

<b>Yxy(71.3314, 0.3053, 0.3213)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.3314, 0.3053, 0.3213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8DCE3
RGB	216, 220, 227
RGB Percent	85%, 86%, 89%
CMY	0.1530, 0.1372, 0.1096
CMYK	0.05, 0.03, 0.00, 0.11
HSL	218°, 17%, 87%
HSV	218°, 5%, 89%
XYZ	67.7793, 71.3314, 82.8981
YIQ	219.6020, -4.6310, 1.3290

# Conversions

## Conversions Part 2

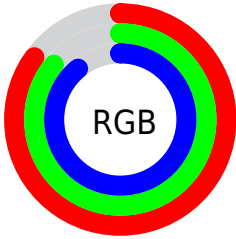
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 219, 227
Decimal	14212323
CIE Lab	87.65, -0.04, -3.92
CIE LCh	88, 3.925, 269.388
Yxy	71.3314, 0.3053, 0.3213
Android (android.graphics.Color)	4292402403 (0xFFD8DCE3)
YUV	219.6020, 3.6472, -3.1590
Hunter-Lab	84.4579, -4.5513, 0.9256

# Details

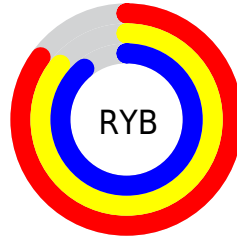
The Yxy color **71.3314, 0.3053, 0.3213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0855, 0.3202, 0.3366**, and the grayscale version is **71.2572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4659, 0.3031, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **60.8476, 0.2893, 0.3040**, and if you desaturate by 10%, it is **82.9554, 0.3202, 0.3366**.

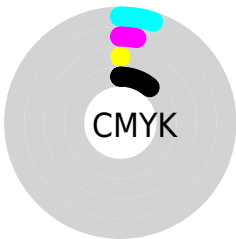
# Distribution



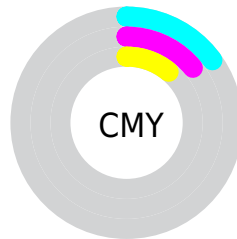
- Red (85%)
- Green (86%)
- Blue (89%)



- Red (85%)
- Yellow (86%)
- Blue (89%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (14%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3314, 0.3053, 0.3213 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 71.3314, 0.3053, 0.3213 by changing the saturation by 10% instead.



■ 71.3314, 0.3053,  
0.3213

■ 71.3314, 0.3053,  
0.3213

465.2111, 0.3087,  
0.3249

■ 52.6127, 0.3045,  
0.3205

121.1055, 0.3065,  
0.3225

■ 37.4937, 0.3035,  
0.3195

152.9296, 0.3070,  
0.3230

■ 25.5899, 0.3023,  
0.3182

189.8911, 0.3074,  
0.3234

■ 16.5171, 0.3007,  
0.3165

232.3742, 0.3077,  
0.3238

■ 9.8908, 0.2984,  
0.3141

280.7633, 0.3080,  
0.3241

■ 5.3266, 0.2952,  
0.3107

335.4429, 0.3083,

■ 2.4402, 0.2900,

0.3244

0.3054

396.7974, 0.3085,  
0.3247

0.8464, 0.2805,  
0.2954

0.0000, 0.0000,  
0.0000

71.3314, 0.3053,  
0.3213

71.3314, 0.3053,  
0.3213

60.8476, 0.2893,  
0.3040

82.9554, 0.3202,  
0.3366

51.4590, 0.2724,  
0.2847

94.5110, 0.3298,  
0.3504

43.1306, 0.2548,  
0.2635

98.3283, 0.3291,  
0.3561

35.8220, 0.2371,  
0.2406

■ 29.4900, 0.2198,  
0.2164

■ 24.0880, 0.2036,  
0.1917

■ 19.5648, 0.1892,  
0.1672

■ 15.8629, 0.1773,  
0.1440

■ 12.9157, 0.1685,  
0.1232

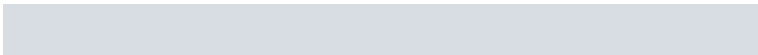
# Harmonies

## Analogous

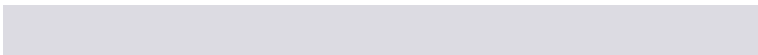
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3314, 0.3035, 0.3237



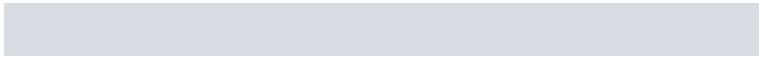
71.3314, 0.3053, 0.3213



71.3314, 0.3091, 0.3210

# Triad

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



71.3314, 0.3053, 0.3213



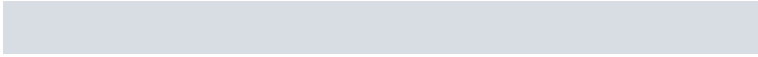
71.3314, 0.3213, 0.3304



71.3314, 0.3116, 0.3354

# Complementary

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



71.3314, 0.3053, 0.3213



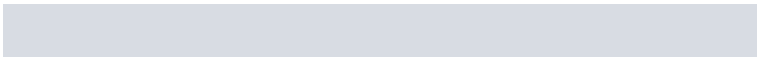
74.0855, 0.3202, 0.3366

# 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.



71.3314, 0.3164, 0.3372



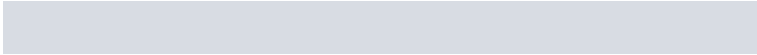
71.3314, 0.3053, 0.3213



71.3314, 0.3220, 0.3343

# Square

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



71.3314, 0.3053, 0.3213



71.3314, 0.3183, 0.3262



71.3314, 0.3202, 0.3368

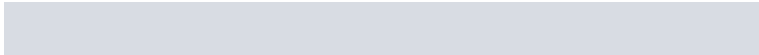


71.3314, 0.3071, 0.3318



# Rectangle

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



71.3314, 0.3053, 0.3213



71.3314, 0.3122, 0.3220



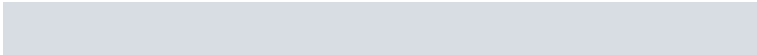
71.3314, 0.3202, 0.3368



71.3314, 0.3132, 0.3362

# Sweetspot

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



71.3344, 0.3053, 0.3213



98.4878, 0.3112, 0.3274



74.8856, 0.3077, 0.3334



21.0964, 0.3113, 0.3275



0.0000, 0.0000, 0.0000

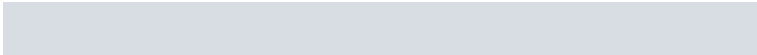


21.4041, 0.3127, 0.3290



# Same Dimension

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



71.3344, 0.3053, 0.3213



91.1530, 0.3035, 0.3194



69.4783, 0.3064, 0.3169



15.4136, 0.3026, 0.3184



6.9952, 0.1656, 0.1163



0.6887, 0.1738, 0.1455



# Inverse Universe

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



70.6122, 0.3180, 0.3247



90.0119, 0.3194, 0.3236



76.0173, 0.3188, 0.3409



15.2023, 0.3201, 0.3231



9.9039, 0.5520, 0.2814

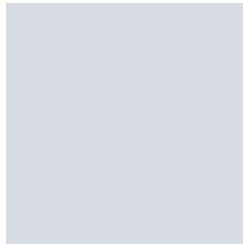


0.7492, 0.5118, 0.2593



# Previews

## White Background



This preview shows how the Yxy color 71.3314, 0.3053, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

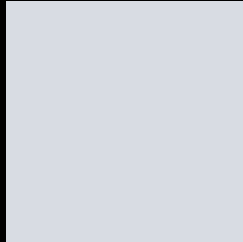
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.3314, 0.3053, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

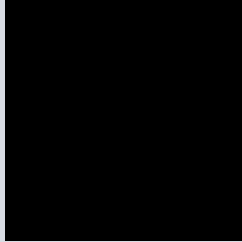
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

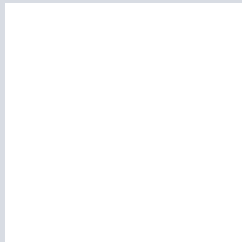
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.3314, 0.3053, 0.3213**

## Background



This preview shows how black text looks on a background with the Yxy color 71.3314, 0.3053, 0.3213.

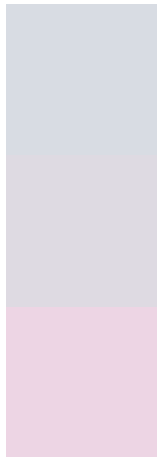


This preview shows how white text looks on a background with the Yxy color 71.3314, 0.3053, 0.3213.

# 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

71.3314, 0.3053, 0.3213

### Protanopia

71.1634, 0.3103, 0.3204

### Deuteranopia

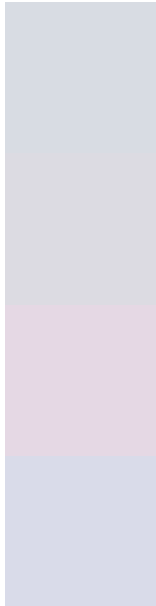
71.1945, 0.3200, 0.3133



## Tritanopia

71.4709, 0.3003, 0.3106

# Trichromacy



## Original Color

71.3314, 0.3053, 0.3213

## Protanomaly

71.3697, 0.3088, 0.3214

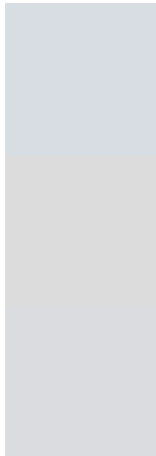
## Deuteranomaly

71.3712, 0.3140, 0.3162

## Tritanomaly

71.2979, 0.3022, 0.3138

# Monochromacy



## Original Color

71.3314, 0.3053, 0.3213

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.5742, 0.3100, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3314, 0.3053, 0.3213 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(216, 220, 227)` looks like.

```
.text, #text, p{  
    color:rgb(216, 220, 227)  
}
```

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(216, 220, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 220, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3314, 0.3053, 0.3213 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(216, 220, 227) }
```

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

```
.border{ border-color:rgb(216, 220, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 220, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 220, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 220, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 220,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3314, 0.3053, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 220, 227) }
```

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

```
.background{ background-color: rgb(216,  
220, 227) }
```

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