

Converting Colors

$Y_{xy}(75.7134, 0.3012, 0.3184)$

Have a look what the booklet for
Yxy(75.7134, 0.3012, 0.3184)
contains.

Yxy(75.5089, 0.3016, 0.3183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.5089, 0.3016, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	DBE2EC
RGB	219, 226, 236
RGB Percent	86%, 89%, 93%
CMY	0.1412, 0.1137, 0.0745
CMYK	0.07, 0.04, 0.00, 0.07
HSL	215°, 31%, 89%
HSV	215°, 7%, 93%
XYZ	71.5472, 75.5089, 90.1694
YIQ	225.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

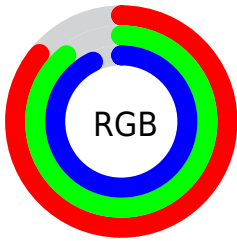
Format	Color
R _Y B	219, 224, 236
Decimal	14410476
CIE Lab	89.63, -0.47, -5.69
CIE LCh	90, 5.712, 265.287
Yxy	75.5089, 0.3016, 0.3183
Android (android.graphics.Color)	4292600556 (0xFFD _B E2E _C)
YUV	225.0470, 5.3998, -5.3032
Hunter-Lab	86.8959, -5.0966, -0.6965

Details

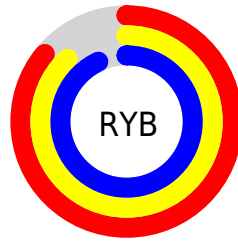
The Yxy color **75.5089, 0.3016, 0.3183** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.9800, 0.3241, 0.3395**, and the grayscale version is **75.2956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3136, 0.2992, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **64.8696, 0.2854, 0.3019**, and if you desaturate by 10%, it is **87.2832, 0.3169, 0.3329**.

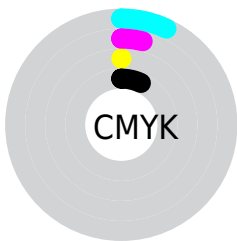
Distribution



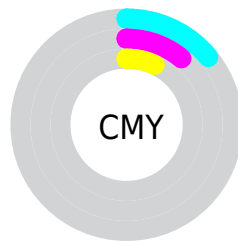
- Red (86%)
- Green (89%)
- Blue (93%)



- Red (86%)
- Yellow (88%)
- Blue (93%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (14%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5089, 0.3016, 0.3183 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 75.5089, 0.3016, 0.3183 by changing the saturation by 10% instead.

■ 75.5089, 0.3016,
0.3183

■ 75.5089, 0.3016,
0.3183

479.6649, 0.3067,
0.3232

■ 56.0299, 0.3004,
0.3172

127.0325, 0.3034,
0.3200

■ 40.2269, 0.2990,
0.3158

159.8458, 0.3041,
0.3207

■ 27.7155, 0.2972,
0.3141

197.8728, 0.3046,
0.3212

■ 18.1113, 0.2949,
0.3118

241.4977, 0.3052,
0.3217

■ 11.0299, 0.2917,
0.3087

291.1049, 0.3056,
0.3222

■ 6.0870, 0.2871,
0.3043

347.0790, 0.3060,

■ 2.8980, 0.2801,

0.3226

0.2974

409.8042, 0.3064,
0.3229

■ 1.0787, 0.2678,
0.2853

■ 0.0000, 0.0000,
0.0000

■ 75.5089, 0.3016,
0.3183

■ 75.5089, 0.3016,
0.3183

■ 64.8696, 0.2854,
0.3019

■ 87.2832, 0.3169,
0.3329

■ 55.3197, 0.2686,
0.2837

■ 98.0338, 0.3239,
0.3461

■ 46.8242, 0.2514,
0.2638

■ 98.8369, 0.3238,
0.3473

■ 39.3426, 0.2342,
0.2424

■ 32.8313, 0.2177,
0.2199

■ 27.2430, 0.2025,
0.1968

■ 22.5254, 0.1892,
0.1740

■ 18.6193, 0.1785,
0.1523

■ 15.4522, 0.1706,
0.1325

Harmonies

Analogous

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



75.5089, 0.2995, 0.3220



75.5089, 0.3016, 0.3183



75.5089, 0.3066, 0.3175

Triad

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



75.5089, 0.3016, 0.3183



75.5089, 0.3246, 0.3302



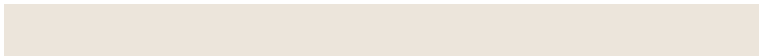
75.5089, 0.3120, 0.3387

Complementary

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



75.5089, 0.3016, 0.3183



78.9800, 0.3241, 0.3395

Split Complementary

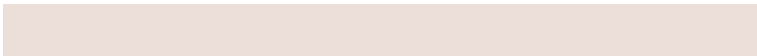
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5089, 0.3188, 0.3408



75.5089, 0.3016, 0.3183



75.5089, 0.3261, 0.3358

Square

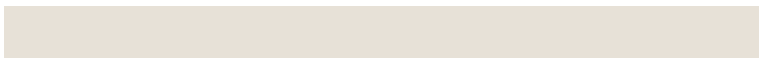
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5089, 0.3016, 0.3183



75.5089, 0.3199, 0.3243



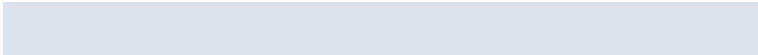
75.5089, 0.3239, 0.3398



75.5089, 0.3055, 0.3338

Rectangle

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



75.5089, 0.3016, 0.3183



75.5089, 0.3110, 0.3186



75.5089, 0.3239, 0.3398



75.5089, 0.3143, 0.3397

Sweetspot

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



75.5121, 0.3016, 0.3183



97.1489, 0.3097, 0.3261



80.7084, 0.3058, 0.3365



20.8238, 0.3098, 0.3263



0.0000, 0.0000, 0.0000



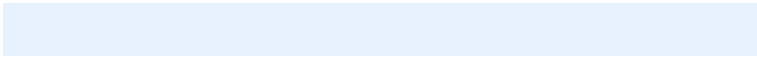
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5121, 0.3016, 0.3183



87.6023, 0.2987, 0.3155



71.9896, 0.3026, 0.3108



15.5698, 0.2980, 0.3148



8.3295, 0.1695, 0.1302



0.8395, 0.1771, 0.1575

Inverse Universe

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



73.9808, 0.3202, 0.3217



85.3833, 0.3223, 0.3198



82.7052, 0.3224, 0.3467



15.1571, 0.3228, 0.3193



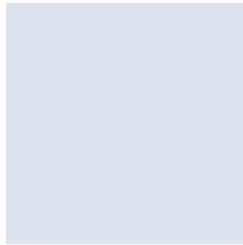
10.3337, 0.5323, 0.2706



0.8302, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 75.5089, 0.3016, 0.3183 looks on a white background.

Color Contrast Check

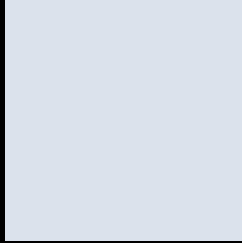
Large Text (above 18pt) WCAG AA × Fail

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 75.5089, 0.3016, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

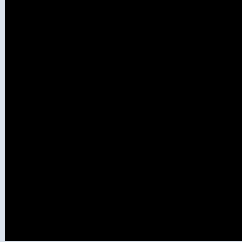
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

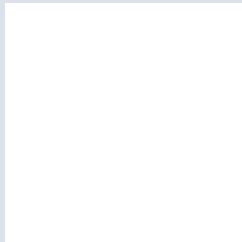
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5089, 0.3016, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 75.5089, 0.3016, 0.3183.

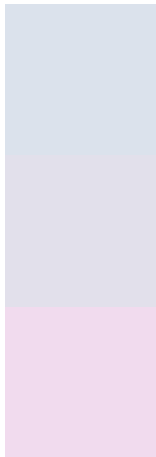


This preview shows how white text looks on a background with the Yxy color 75.5089, 0.3016, 0.3183.

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

75.5089, 0.3016, 0.3183

Protanopia

75.4782, 0.3070, 0.3174

Deuteranopia

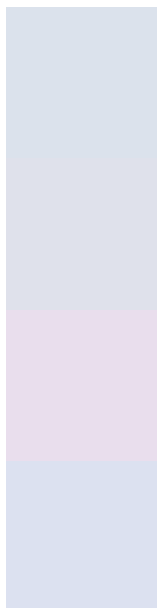
75.5369, 0.3158, 0.3096



Tritanopia

75.5371, 0.2980, 0.3100

Trichromacy



Original Color

75.5089, 0.3016, 0.3183

Protanomaly

75.5366, 0.3050, 0.3184

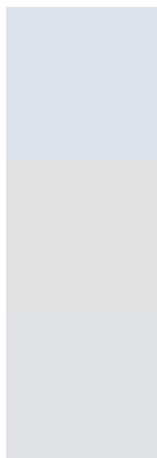
Deuteranomaly

75.6806, 0.3106, 0.3134

Tritanomaly

75.3573, 0.2998, 0.3131

Monochromacy



Original Color

75.5089, 0.3016, 0.3183

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.1955, 0.3088, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5089, 0.3016, 0.3183 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(219, 226, 236)` looks like.

```
.text, #text, p{  
    color:rgb(219, 226, 236)  
}
```

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(219, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 226, 236) }
```

Border

The CSS property to change the border of an element to Yxy 75.5089, 0.3016, 0.3183 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(219, 226, 236) }
```

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

```
.border{ border-color:rgb(219, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(219, 226,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5089, 0.3016, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 226, 236) }
```

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

```
.background{ background-color: rgb(219,  
226, 236) }
```

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