

Converting Colors

$Y_{xy}(70.0064, 0.3061, 0.3180)$

Have a look what the booklet for
Yxy(70.0064, 0.3061, 0.3180)
contains.

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Color

Yxy(69.9235, 0.3061, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	D9D9E3
RGB	217, 217, 227
RGB Percent	85%, 85%, 89%
CMY	0.1491, 0.1490, 0.1099
CMYK	0.04, 0.04, 0.00, 0.11
HSL	240°, 15%, 87%
HSV	240°, 4%, 89%
XYZ	67.2857, 69.9235, 82.6069
YIQ	218.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

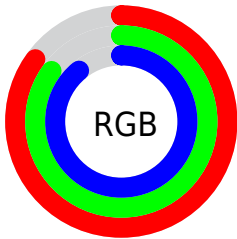
Format	Color
R _Y B	217, 217, 227
Decimal	14277091
CIE Lab	86.96, 1.83, -4.89
CIE LCh	87, 5.225, 290.502
Yxy	69.9235, 0.3061, 0.3181
Android (android.graphics.Color)	4292467171 (0xFFD9D9E3)
YUV	218.1400, 4.3680, -0.9998
Hunter-Lab	83.6203, -2.7041, -0.0373

Details

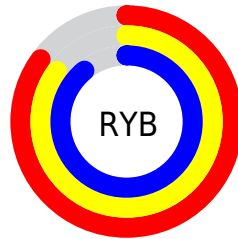
The Yxy color **69.9235, 0.3061, 0.3181** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2432, 0.3192, 0.3397**, and the grayscale version is **70.1826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5006, 0.3041, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **55.8122, 0.2896, 0.2909**, and if you desaturate by 10%, it is **86.1169, 0.3205, 0.3419**.

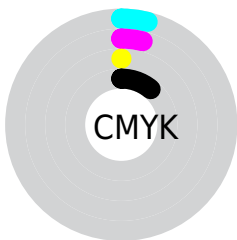
Distribution



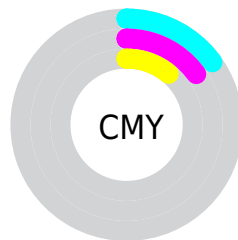
- Red (85%)
- Green (85%)
- Blue (89%)



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



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9235, 0.3061, 0.3181 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 69.9235, 0.3061, 0.3181 by changing the saturation by 10% instead.

■ 69.9235, 0.3061,
0.3181

■ 69.9235, 0.3061,
0.3181

460.2814, 0.3092,
0.3232

■ 51.4642, 0.3054,
0.3169

119.0997, 0.3072,
0.3199

■ 36.5782, 0.3045,
0.3155

150.5853, 0.3076,
0.3205

■ 24.8810, 0.3034,
0.3137

187.1818, 0.3080,
0.3211

■ 15.9884, 0.3019,
0.3113

229.2735, 0.3083,
0.3216

■ 9.5160, 0.2998,
0.3080

277.2450, 0.3085,
0.3221

■ 5.0792, 0.2968,
0.3032

331.4805, 0.3088,

■ 2.2938, 0.2920,

0.3225

0.2956

392.3645, 0.3090,
0.3229

0.7704, 0.2830,
0.2807

0.0000, 0.0000,
0.0000

69.9235, 0.3061,
0.3181

69.9235, 0.3061,
0.3181

55.8122, 0.2896,
0.2909

86.1169, 0.3205,
0.3419

43.6900, 0.2710,
0.2602

98.3249, 0.3292,
0.3562

33.4703, 0.2507,
0.2267

25.0566, 0.2292,
0.1913

■ 18.3440, 0.2078,
0.1558

■ 13.2165, 0.1878,
0.1229

■ 9.5440, 0.1711,
0.0952

■ 7.1757, 0.1590,
0.0750

■ 5.9280, 0.1521,
0.0636

Harmonies

Analogous

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



69.9235, 0.3018, 0.3193



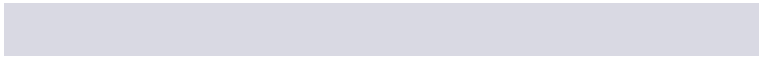
69.9235, 0.3061, 0.3181



69.9235, 0.3122, 0.3197

Triad

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



69.9235, 0.3061, 0.3181



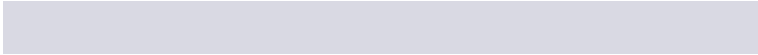
69.9235, 0.3253, 0.3346



69.9235, 0.3069, 0.3344

Complementary

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



69.9235, 0.3061, 0.3181



76.2432, 0.3192, 0.3397

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.



69.9235, 0.3131, 0.3386



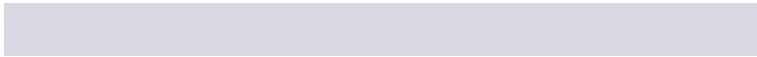
69.9235, 0.3061, 0.3181



69.9235, 0.3238, 0.3387

Square

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



69.9235, 0.3061, 0.3181



69.9235, 0.3234, 0.3292



69.9235, 0.3193, 0.3401



69.9235, 0.3022, 0.3287

Rectangle

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



69.9235, 0.3061, 0.3181



69.9235, 0.3165, 0.3222



69.9235, 0.3193, 0.3401



69.9235, 0.3088, 0.3360

Sweetspot

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



69.9265, 0.3061, 0.3181



97.9091, 0.3112, 0.3266



75.2107, 0.3060, 0.3292



20.9786, 0.3113, 0.3267



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.



69.9265, 0.3061, 0.3181



89.8218, 0.3051, 0.3165



70.6596, 0.3095, 0.3182



15.1136, 0.3041, 0.3148



3.2483, 0.1501, 0.0602



0.2430, 0.1503, 0.0609

Inverse Universe

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



70.9527, 0.3200, 0.3290



91.3418, 0.3210, 0.3290



75.4878, 0.3158, 0.3398



15.4049, 0.3222, 0.3290



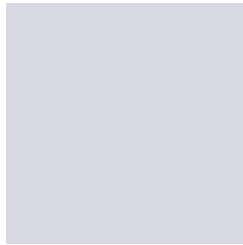
9.5256, 0.6397, 0.3298



0.7042, 0.6386, 0.3291

Previews

White Background



This preview shows how the Yxy color 69.9235, 0.3061, 0.3181 looks on a white background.

Color Contrast Check

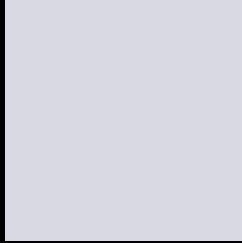
Large Text (above 18pt) WCAG AA × Fail

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 69.9235, 0.3061, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

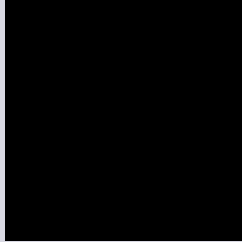
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

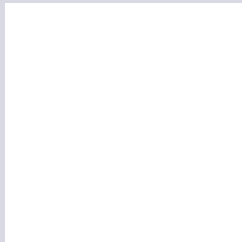
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9235, 0.3061, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 69.9235, 0.3061, 0.3181.

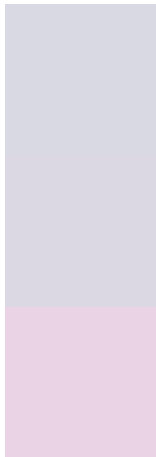


This preview shows how white text looks on a background with the Yxy color 69.9235, 0.3061, 0.3181.

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

69.9235, 0.3061, 0.3181

Protanopia

69.7179, 0.3075, 0.3170

Deuteranopia

69.6824, 0.3180, 0.3111



Tritanopia

69.9004, 0.3029, 0.3106

Trichromacy



Original Color

69.9235, 0.3061, 0.3181

Protanomaly

69.5632, 0.3068, 0.3170

Deuteranomaly

69.6839, 0.3135, 0.3130

Tritanomaly

69.7867, 0.3042, 0.3127

Monochromacy



Original Color

69.9235, 0.3061, 0.3181

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2687, 0.3107, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9235, 0.3061, 0.3181 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(217, 217, 227)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 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(217, 217, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 227) }
```

Border

The CSS property to change the border of an element to Yxy 69.9235, 0.3061, 0.3181 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(217, 217, 227) }
```

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

```
.border{ border-color:rgb(217, 217, 227) }
```

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

Here you see how a box with a 4 pixel rgb(217, 217, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 227);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9235, 0.3061, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 227) }
```

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

```
.background{ background-color: rgb(217,  
217, 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](#).

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