

Converting Colors

$Y_{xy}(70.5213, 0.3072, 0.3234)$

Have a look what the booklet for
Yxy(70.5213, 0.3072, 0.3234)
contains.

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Color

Yxy(70.6438, 0.3073, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	D8DBE0
RGB	216, 219, 224
RGB Percent	85%, 86%, 88%
CMY	0.1529, 0.1412, 0.1215
CMYK	0.04, 0.02, 0.00, 0.12
HSL	218°, 11%, 86%
HSV	218°, 4%, 88%
XYZ	67.1062, 70.6438, 80.6235
YIQ	218.6730, -3.3930, 0.9190

Conversions

Conversions Part 2

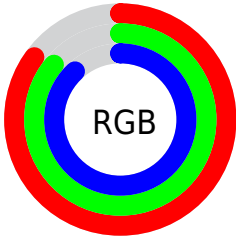
Format	Color
R _Y B	216, 218, 224
Decimal	14212064
CIE Lab	87.31, -0.09, -2.81
CIE LCh	87, 2.816, 268.260
Yxy	70.6438, 0.3073, 0.3235
Android (android.graphics.Color)	4292402144 (0xFFD8DBE0)
YUV	218.6730, 2.6262, -2.3442
Hunter-Lab	84.0499, -4.5713, 1.9619

Details

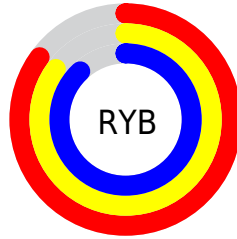
The Yxy color **70.6438, 0.3073, 0.3235** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5232, 0.3182, 0.3344**, and the grayscale version is **70.5856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9926, 0.3056, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **60.4615, 0.2914, 0.3068**, and if you desaturate by 10%, it is **81.9121, 0.3221, 0.3383**.

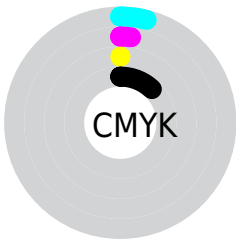
Distribution



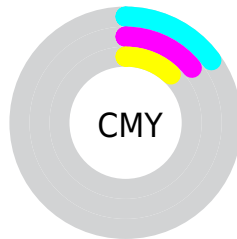
- Red (85%)
- Green (86%)
- Blue (88%)



- Red (85%)
- Yellow (85%)
- Blue (88%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (15%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6438, 0.3073, 0.3235 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 70.6438, 0.3073, 0.3235 by changing the saturation by 10% instead.

■ 70.6438, 0.3073,
0.3235

■ 70.6438, 0.3073,
0.3235

462.8073, 0.3098,
0.3261

■ 52.0516, 0.3067,
0.3229

120.1264, 0.3082,
0.3244

■ 37.0462, 0.3060,
0.3222

151.7856, 0.3085,
0.3247

■ 25.2432, 0.3051,
0.3212

188.5691, 0.3088,
0.3250

■ 16.2584, 0.3039,
0.3200

230.8615, 0.3091,
0.3253

■ 9.7072, 0.3022,
0.3183

279.0472, 0.3093,
0.3255

■ 5.2052, 0.2998,
0.3159

333.5104, 0.3095,

■ 2.3682, 0.2960,

0.3257

0.3119

394.6356, 0.3097,
0.3259

0.8094, 0.2885,
0.3044

0.0000, 0.0000,
0.0000

70.6438, 0.3073,
0.3235

70.6438, 0.3073,
0.3235

60.4615, 0.2914,
0.3068

81.9121, 0.3221,
0.3383

51.3223, 0.2747,
0.2882

93.1715, 0.3319,
0.3516

43.1936, 0.2573,
0.2676

98.1622, 0.3309,
0.3591

36.0378, 0.2397,
0.2454

■ 29.8143, 0.2225,
0.2218

■ 24.4796, 0.2062,
0.1975

■ 19.9861, 0.1917,
0.1733

■ 16.2805, 0.1796,
0.1502

■ 13.3010, 0.1704,
0.1291

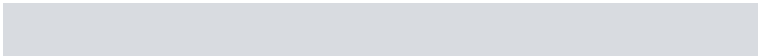
Harmonies

Analogous

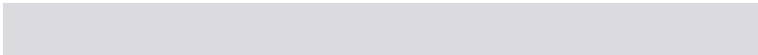
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6438, 0.3061, 0.3253



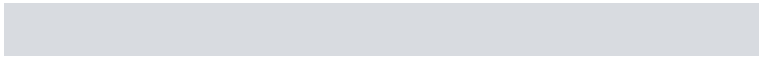
70.6438, 0.3073, 0.3235



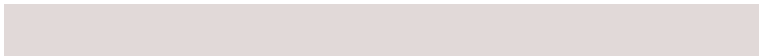
70.6438, 0.3100, 0.3232

Triad

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



70.6438, 0.3073, 0.3235



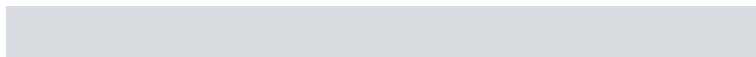
70.6438, 0.3189, 0.3299



70.6438, 0.3120, 0.3337

Complementary

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



70.6438, 0.3073, 0.3235



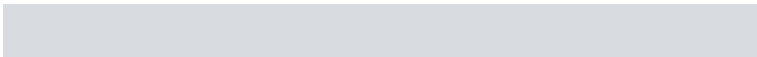
72.5232, 0.3182, 0.3344

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.



70.6438, 0.3155, 0.3349



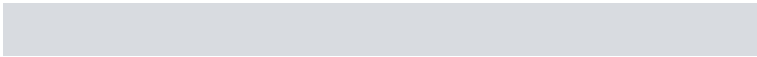
70.6438, 0.3073, 0.3235



70.6438, 0.3194, 0.3327

Square

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



70.6438, 0.3073, 0.3235



70.6438, 0.3166, 0.3269



70.6438, 0.3182, 0.3346



70.6438, 0.3088, 0.3311

Rectangle

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



70.6438, 0.3073, 0.3235



70.6438, 0.3122, 0.3239



70.6438, 0.3182, 0.3346



70.6438, 0.3132, 0.3342

Sweetspot

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



70.6468, 0.3073, 0.3235



98.5066, 0.3112, 0.3275



73.1317, 0.3091, 0.3323



21.1002, 0.3113, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

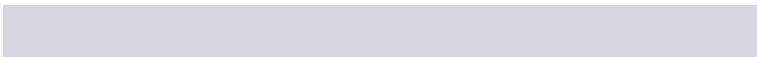
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6468, 0.3073, 0.3235



94.1151, 0.3066, 0.3228



69.2384, 0.3081, 0.3202



15.1466, 0.3055, 0.3217



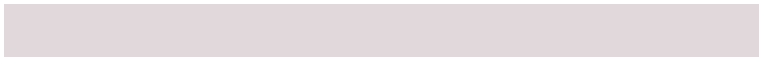
7.0231, 0.1666, 0.1197



0.6550, 0.1752, 0.1506

Inverse Universe

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



70.0770, 0.3165, 0.3258



93.2599, 0.3170, 0.3253



73.9726, 0.3173, 0.3377



14.9855, 0.3178, 0.3247



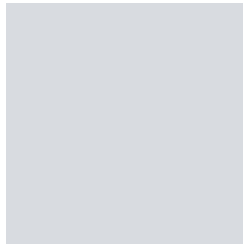
9.6170, 0.5471, 0.2788



0.6836, 0.5051, 0.2556

Previews

White Background



This preview shows how the Yxy color 70.6438, 0.3073, 0.3235 looks on a white background.

Color Contrast Check

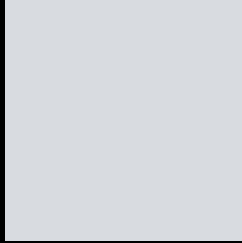
Large Text (above 18pt) WCAG AA × Fail

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 70.6438, 0.3073, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

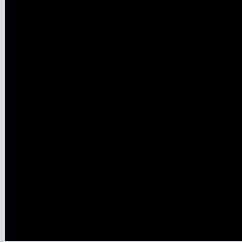
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

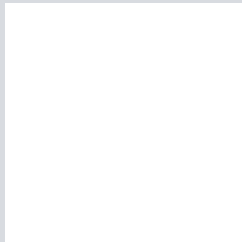
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6438, 0.3073, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 70.6438, 0.3073, 0.3235.

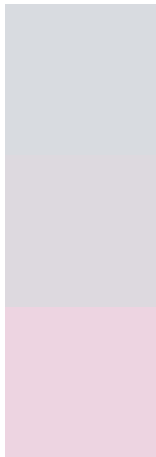


This preview shows how white text looks on a background with the Yxy color 70.6438, 0.3073, 0.3235.

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

70.6438, 0.3073, 0.3235

Protanopia

70.3256, 0.3116, 0.3225

Deuteranopia

70.5277, 0.3222, 0.3154



Tritanopia

70.5293, 0.3016, 0.3096

Trichromacy



Original Color

70.6438, 0.3073, 0.3235

Protanomaly

70.5306, 0.3101, 0.3235

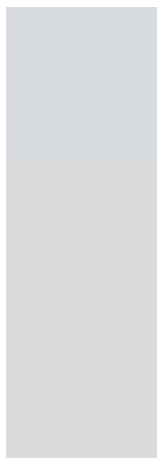
Deuteranomaly

70.6951, 0.3161, 0.3183

Tritanomaly

70.6640, 0.3035, 0.3149

Monochromacy



Original Color

70.6438, 0.3073, 0.3235

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.7889, 0.3107, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6438, 0.3073, 0.3235 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, 219, 224) looks like.

```
.text, #text, p{  
    color:rgb(216, 219, 224)  
}
```

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, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 219, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.6438, 0.3073, 0.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

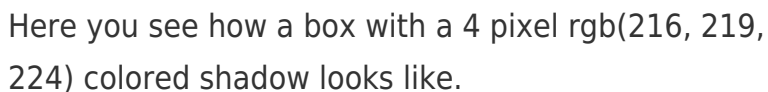
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 219, 224) }
```

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

```
.border{ border-color:rgb(216, 219, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 219, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 219, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 219, 224); box-shadow:4px 4px 4px 4px rgb(216, 219, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6438, 0.3073, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 219, 224) }
```

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

```
.background{ background-color: rgb(216,  
219, 224) }
```

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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