

Converting Colors

$Y_{xy}(70.2573, 0.2909, 0.3139)$

Have a look what the booklet for
Yxy(70.2573, 0.2909, 0.3139)
contains.

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Color

Yxy(70.2676, 0.2909, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	CADDEB
RGB	202, 221, 235
RGB Percent	79%, 87%, 92%
CMY	0.2076, 0.1334, 0.0784
CMYK	0.14, 0.06, 0.00, 0.08
HSL	206°, 45%, 86%
HSV	206°, 14%, 92%
XYZ	65.2229, 70.2676, 88.7201
YIQ	216.9150, -15.8180, 0.3260

Conversions

Conversions Part 2

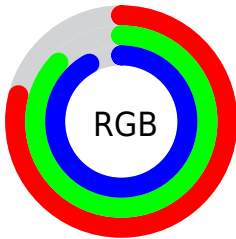
Format	Color
R _Y B	202, 214, 235
Decimal	13295083
CIE Lab	87.13, -3.50, -9.00
CIE LCh	87, 9.652, 248.752
Yxy	70.2676, 0.2909, 0.3134
Android (android.graphics.Color)	4291485163 (0xFFCADDEB)
YUV	216.9150, 8.9159, -13.0805
Hunter-Lab	83.8258, -7.8084, -4.0737

Details

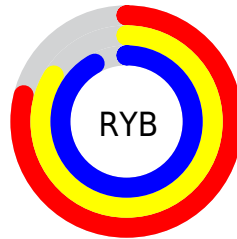
The Yxy color **70.2676, 0.2909, 0.3134** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0850, 0.3365, 0.3441**, and the grayscale version is **69.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8230, 0.2861, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **62.1123, 0.2750, 0.3008**, and if you desaturate by 10%, it is **79.2425, 0.3066, 0.3248**.

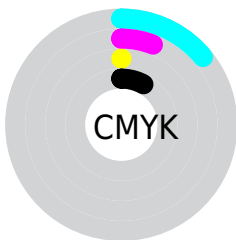
Distribution



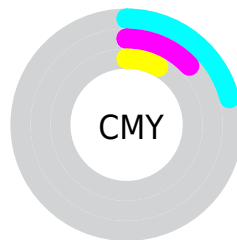
- Red (79%)
- Green (87%)
- Blue (92%)



- Red (79%)
- Yellow (84%)
- Blue (92%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (21%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2676, 0.2909, 0.3134 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 70.2676, 0.2909, 0.3134 by changing the saturation by 10% instead.

■ 70.2676, 0.2909,
0.3134

■ 70.2676, 0.2909,
0.3134

461.4890, 0.3010,
0.3207

■ 51.7447, 0.2886,
0.3117

119.5903, 0.2944,
0.3160

■ 36.8016, 0.2857,
0.3096

151.1589, 0.2958,
0.3169

■ 25.0539, 0.2821,
0.3069

187.8449, 0.2969,
0.3178

■ 16.1173, 0.2774,
0.3034

230.0326, 0.2980,
0.3185

■ 9.6072, 0.2709,
0.2985

278.1065, 0.2989,
0.3192

■ 5.1393, 0.2616,
0.2914

332.4509, 0.2997,

■ 2.3292, 0.2471,

0.3198

0.2800

393.4503, 0.3004,
0.3203

0.7891, 0.2184,
0.2594

0.0000, 0.0000,
0.0000

70.2676, 0.2909,
0.3134

70.2676, 0.2909,
0.3134

62.1123, 0.2750,
0.3008

79.2425, 0.3066,
0.3248

54.7401, 0.2591,
0.2870

89.0547, 0.3217,
0.3350

48.1239, 0.2436,
0.2722

96.2454, 0.3248,
0.3445

42.2317, 0.2290,
0.2564

98.7781, 0.3244,
0.3483

■ 37.0286, 0.2156,
0.2400

■ 32.4758, 0.2040,
0.2233

■ 28.5291, 0.1944,
0.2066

■ 25.1358, 0.1871,
0.1905

■ 23.3232, 0.1836,
0.1810

Harmonies

Analogous

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



70.2676, 0.2907, 0.3219



70.2676, 0.2909, 0.3134



70.2676, 0.2969, 0.3093

Triad

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



70.2676, 0.2909, 0.3134



70.2676, 0.3294, 0.3252



70.2676, 0.3180, 0.3486

Complementary

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



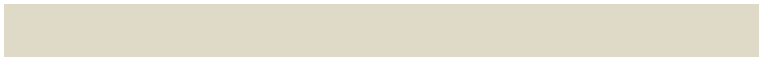
70.2676, 0.2909, 0.3134



71.0850, 0.3365, 0.3441

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.



70.2676, 0.3286, 0.3492



70.2676, 0.2909, 0.3134



70.2676, 0.3353, 0.3354

Square

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



70.2676, 0.2909, 0.3134



70.2676, 0.3190, 0.3161



70.2676, 0.3350, 0.3442



70.2676, 0.3062, 0.3425

Rectangle

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



70.2676, 0.2909, 0.3134



70.2676, 0.3034, 0.3094



70.2676, 0.3350, 0.3442



70.2676, 0.3218, 0.3494

Sweetspot

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



70.2705, 0.2909, 0.3134



95.3781, 0.3066, 0.3248



76.9295, 0.3027, 0.3504



20.2327, 0.3054, 0.3240



0.0000, 0.0000, 0.0000



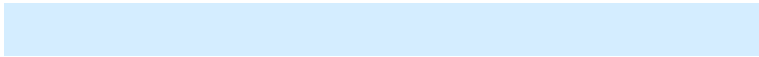
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2705, 0.2909, 0.3134



81.4741, 0.2860, 0.3097



62.1400, 0.2903, 0.2950



15.9858, 0.2981, 0.3187



13.2390, 0.1843, 0.1835



1.2297, 0.1905, 0.2056

Inverse Universe

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



65.1570, 0.3244, 0.3088



74.2604, 0.3274, 0.3043



79.7862, 0.3341, 0.3609



15.1991, 0.3203, 0.3155



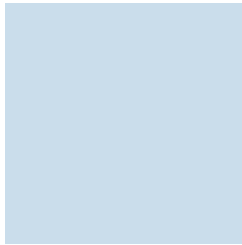
10.8293, 0.4643, 0.2332



0.8695, 0.4390, 0.2192

Previews

White Background



This preview shows how the Yxy color 70.2676, 0.2909, 0.3134 looks on a white background.

Color Contrast Check

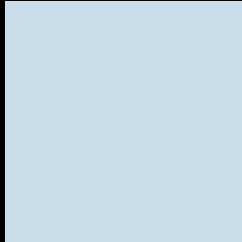
Large Text (above 18pt) WCAG AA × Fail

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 70.2676, 0.2909, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

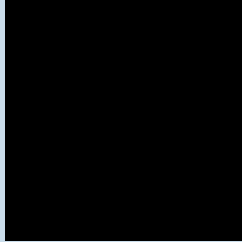
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

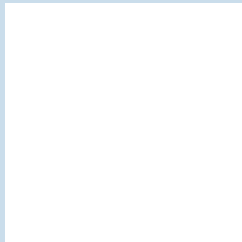
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2676, 0.2909, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 70.2676, 0.2909, 0.3134.

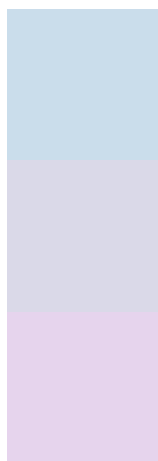


This preview shows how white text looks on a background with the Yxy color 70.2676, 0.2909, 0.3134.

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

70.2676, 0.2909, 0.3134

Protanopia

70.3573, 0.3036, 0.3127

Deuteranopia

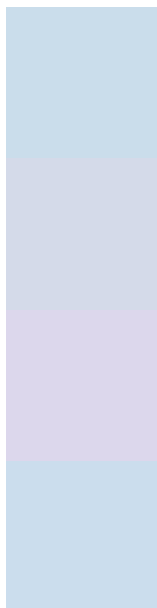
70.0244, 0.3089, 0.3027



Tritanopia

70.5825, 0.2897, 0.3102

Trichromacy



Original Color

70.2676, 0.2909, 0.3134

Protanomaly

70.0230, 0.2988, 0.3126

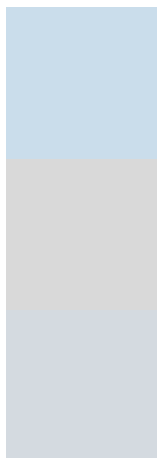
Deuteranomaly

69.8727, 0.3024, 0.3064

Tritanomaly

70.5238, 0.2903, 0.3113

Monochromacy



Original Color

70.2676, 0.2909, 0.3134

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.5217, 0.3045, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2676, 0.2909, 0.3134 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(202, 221, 235)` looks like.

```
.text, #text, p{  
    color:rgb(202, 221, 235)  
}
```

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(202, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 221, 235) }
```

Border

The CSS property to change the border of an element to Yxy 70.2676, 0.2909, 0.3134 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(202, 221, 235) }
```

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

```
.border{ border-color:rgb(202, 221, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 221, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 221, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 221, 235);  
box-shadow:4px 4px 4px 4px rgb(202, 221,  
235) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.2676, 0.2909, 0.3134$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 221, 235) }
```

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

```
.background{ background-color: rgb(202,  
221, 235) }
```

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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