

Converting Colors

$Y_{xy}(71.5770, 0.3002, 0.3139)$

Have a look what the booklet for
Yxy(71.5770, 0.3002, 0.3139)
contains.

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Color

Yxy(71.5740, 0.3002, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	D7DCEA
RGB	215, 220, 234
RGB Percent	84%, 86%, 92%
CMY	0.1568, 0.1373, 0.0824
CMYK	0.08, 0.06, 0.00, 0.08
HSL	224°, 31%, 88%
HSV	224°, 8%, 92%
XYZ	68.4720, 71.5740, 88.0420
YIQ	220.1010, -7.4740, 3.2940

Conversions

Conversions Part 2

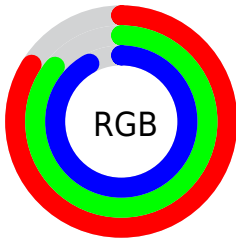
Format	Color
RYB	215, 219, 234
Decimal	14146794
CIELab	87.76, 0.97, -7.42
CIELCh	88, 7.487, 277.435
Yxy	71.5740, 0.3002, 0.3138
Android (android.graphics.Color)	4292336874 (0xFFD7DCEA)
YUV	220.1010, 6.8522, -4.4736
Hunter-Lab	84.6014, -3.5838, -2.4802

Details

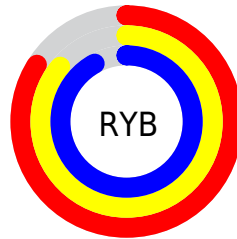
The Yxy color **71.5740, 0.3002, 0.3138** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.4447, 0.3252, 0.3438**, and the grayscale version is **71.6030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5982, 0.2973, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **59.6877, 0.2836, 0.2929**, and if you desaturate by 10%, it is **84.9081, 0.3155, 0.3323**.

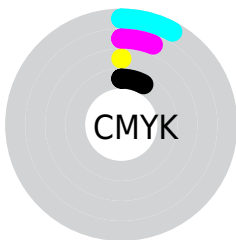
Distribution



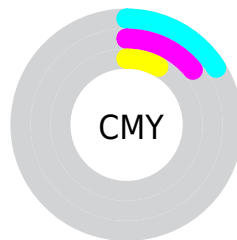
- Red (84%)
- Green (86%)
- Blue (92%)



- Red (84%)
- Yellow (86%)
- Blue (92%)



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



- Cyan (16%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5740, 0.3002, 0.3138 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 71.5740, 0.3002, 0.3138 by changing the saturation by 10% instead.

■ 71.5740, 0.3002,
0.3138

■ 71.5740, 0.3002,
0.3138

466.0575, 0.3060,
0.3208

■ 52.8108, 0.2989,
0.3122

121.4507, 0.3022,
0.3162

■ 37.6517, 0.2972,
0.3102

153.3329, 0.3030,
0.3172

■ 25.7125, 0.2951,
0.3077

190.3569, 0.3037,
0.3180

■ 16.6087, 0.2924,
0.3044

232.9071, 0.3043,
0.3187

■ 9.9559, 0.2886,
0.2999

281.3678, 0.3048,
0.3193

■ 5.3697, 0.2832,
0.2934

336.1236, 0.3052,

■ 2.4658, 0.2746,

0.3199

0.2833

397.5587, 0.3056,
0.3204

0.8594, 0.2592,
0.2650

0.0000, 0.0000,
0.0000

71.5740, 0.3002,
0.3138

71.5740, 0.3002,
0.3138

59.6877, 0.2836,
0.2929

84.9081, 0.3155,
0.3323

49.1906, 0.2658,
0.2696

98.4117, 0.3250,
0.3488

40.0331, 0.2472,
0.2441

98.7201, 0.3250,
0.3493

32.1592, 0.2283,
0.2169

■ 25.5088, 0.2100,
0.1887

■ 20.0167, 0.1930,
0.1608

■ 15.6108, 0.1784,
0.1345

■ 12.2099, 0.1670,
0.1112

■ 9.7128, 0.1593,
0.0922

Harmonies

Analogous

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



71.5740, 0.2957, 0.3172



71.5740, 0.3002, 0.3138



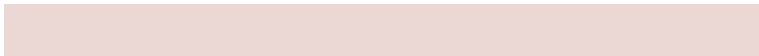
71.5740, 0.3080, 0.3144

Triad

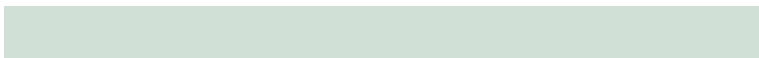
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5740, 0.3002, 0.3138



71.5740, 0.3300, 0.3337



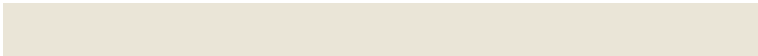
71.5740, 0.3081, 0.3396

Complementary

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



71.5740, 0.3002, 0.3138



78.4447, 0.3252, 0.3438

Split Complementary

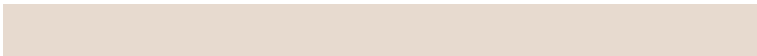
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5740, 0.3172, 0.3442



71.5740, 0.3002, 0.3138



71.5740, 0.3300, 0.3406

Square

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



71.5740, 0.3002, 0.3138



71.5740, 0.3253, 0.3258



71.5740, 0.3253, 0.3445



71.5740, 0.3003, 0.3322

Rectangle

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



71.5740, 0.3002, 0.3138



71.5740, 0.3142, 0.3169



71.5740, 0.3253, 0.3445



71.5740, 0.3111, 0.3416

Sweetspot

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



71.5770, 0.3002, 0.3138



96.6691, 0.3097, 0.3254



78.9454, 0.3032, 0.3344



20.7261, 0.3098, 0.3256



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.



71.5770, 0.3002, 0.3138



84.0625, 0.2971, 0.3099



69.6812, 0.3033, 0.3085



15.1918, 0.2980, 0.3111



5.4131, 0.1588, 0.0916



0.5777, 0.1661, 0.1180

Inverse Universe

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



71.2701, 0.3232, 0.3237



83.6431, 0.3260, 0.3224



80.5004, 0.3217, 0.3491



15.1190, 0.3252, 0.3228



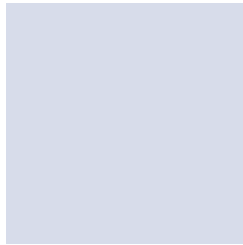
10.0393, 0.5887, 0.3017



0.8037, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 71.5740, 0.3002, 0.3138 looks on a white background.

Color Contrast Check

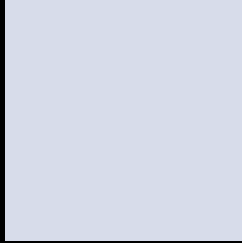
Large Text (above 18pt) WCAG AA × Fail

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 71.5740, 0.3002, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

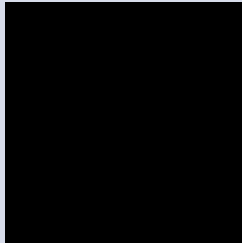
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

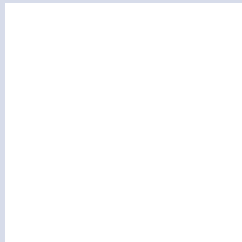
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5740, 0.3002, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 71.5740, 0.3002, 0.3138.

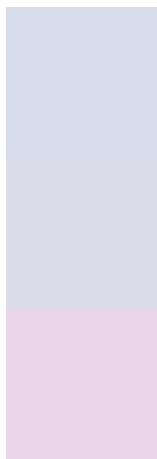


This preview shows how white text looks on a background with the Yxy color 71.5740, 0.3002, 0.3138.

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

71.5740, 0.3002, 0.3138

Protanopia

71.7619, 0.3043, 0.3139

Deuteranopia

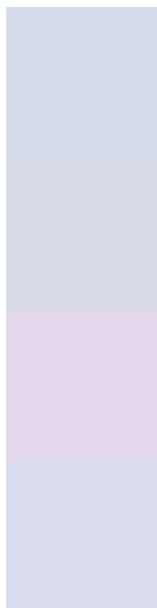
71.5837, 0.3130, 0.3071



Tritanopia

71.8998, 0.2990, 0.3106

Trichromacy



Original Color

71.5740, 0.3002, 0.3138

Protanomaly

71.4517, 0.3029, 0.3139

Deuteranomaly

71.4408, 0.3080, 0.3089

Tritanomaly

71.8415, 0.2996, 0.3117

Monochromacy



Original Color

71.5740, 0.3002, 0.3138

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.5281, 0.3080, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5740, 0.3002, 0.3138 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(215, 220, 234)` looks like.

```
.text, #text, p{  
    color:rgb(215, 220, 234)  
}
```

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(215, 220, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 220, 234) }
```

Border

The CSS property to change the border of an element to Yxy 71.5740, 0.3002, 0.3138 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(215, 220, 234) }
```

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

```
.border{ border-color:rgb(215, 220, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 220, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 220, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 220, 234);  
box-shadow:4px 4px 4px 4px rgb(215, 220,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5740, 0.3002, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 220, 234) }
```

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

```
.background{ background-color: rgb(215,  
220, 234) }
```

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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