

Converting Colors

$Y_{xy}(72.4051, 0.3015, 0.3150)$

Have a look what the booklet for
Yxy(72.4051, 0.3015, 0.3150)
contains.

Yxy(72.4051, 0.3015, 0.3150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.4051, 0.3015, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	D9DDEA
RGB	217, 221, 234
RGB Percent	85%, 87%, 92%
CMY	0.1493, 0.1332, 0.0824
CMYK	0.07, 0.06, 0.00, 0.08
HSL	226°, 29%, 88%
HSV	226°, 7%, 92%
XYZ	69.3020, 72.4051, 88.1503
YIQ	221.2860, -6.5570, 3.1950

Conversions

Conversions Part 2

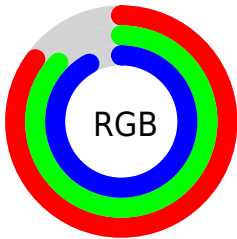
Format	Color
R _Y B	217, 220, 234
Decimal	14278122
CIE Lab	88.16, 1.05, -6.81
CIE LCh	88, 6.891, 278.750
Yxy	72.4051, 0.3015, 0.3150
Android (android.graphics.Color)	4292468202 (0xFFD9DDEA)
YUV	221.2860, 6.2680, -3.7588
Hunter-Lab	85.0912, -3.5313, -1.8577

Details

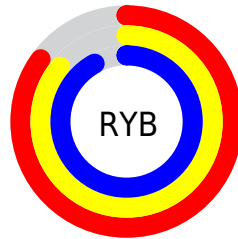
The Yxy color **72.4051, 0.3015, 0.3150** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.0146, 0.3239, 0.3426**, and the grayscale version is **72.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1682, 0.2990, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **60.1874, 0.2849, 0.2937**, and if you desaturate by 10%, it is **86.1289, 0.3167, 0.3339**.

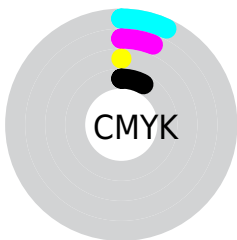
Distribution



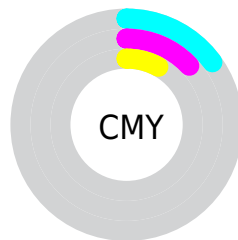
- Red (85%)
- Green (87%)
- Blue (92%)



- Red (85%)
- Yellow (86%)
- Blue (92%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (15%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4051, 0.3015, 0.3150 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 72.4051, 0.3015, 0.3150 by changing the saturation by 10% instead.

■ 72.4051, 0.3015,
0.3150

■ 72.4051, 0.3015,
0.3150

468.9504, 0.3067,
0.3215

■ 53.4897, 0.3003,
0.3135

122.6323, 0.3033,
0.3172

■ 38.1938, 0.2988,
0.3117

154.7129, 0.3040,
0.3181

■ 26.1331, 0.2970,
0.3094

191.9506, 0.3046,
0.3189

■ 16.9233, 0.2945,
0.3064

234.7298, 0.3051,
0.3195

■ 10.1798, 0.2912,
0.3023

283.4351, 0.3056,
0.3201

■ 5.5183, 0.2864,
0.2964

338.4506, 0.3060,

■ 2.5545, 0.2788,

0.3206

0.2871

400.1609, 0.3064,
0.3211

■ 0.9038, 0.2651,
0.2707

■ 0.0000, 0.0000,
0.0000

■ 72.4051, 0.3015,
0.3150

■ 72.4051, 0.3015,
0.3150

■ 60.1874, 0.2849,
0.2937

■ 86.1289, 0.3167,
0.3339

■ 49.4146, 0.2671,
0.2699

■ 98.7195, 0.3250,
0.3493

■ 40.0347, 0.2484,
0.2438

■ 31.9893, 0.2293,
0.2159

■ 25.2152, 0.2106,
0.1871

■ 19.6442, 0.1932,
0.1585

■ 15.2010, 0.1782,
0.1317

■ 11.8008, 0.1665,
0.1081

■ 9.3420, 0.1586,
0.0892

Harmonies

Analogous

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



72.4051, 0.2972, 0.3180



72.4051, 0.3015, 0.3150



72.4051, 0.3088, 0.3157

Triad

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



72.4051, 0.3015, 0.3150



72.4051, 0.3286, 0.3336



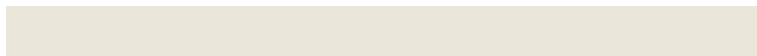
72.4051, 0.3081, 0.3385

Complementary

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



72.4051, 0.3015, 0.3150



79.0146, 0.3239, 0.3426

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.



72.4051, 0.3165, 0.3428



72.4051, 0.3015, 0.3150



72.4051, 0.3284, 0.3398

Square

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



72.4051, 0.3015, 0.3150



72.4051, 0.3245, 0.3263



72.4051, 0.3240, 0.3432



72.4051, 0.3010, 0.3316

Rectangle

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



72.4051, 0.3015, 0.3150



72.4051, 0.3144, 0.3181



72.4051, 0.3240, 0.3432



72.4051, 0.3109, 0.3403

Sweetspot

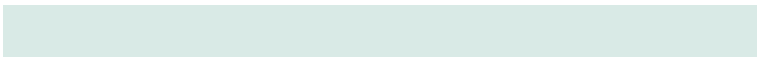
The Sweet Spot groups the original color and five complimentary colors.



72.4082, 0.3015, 0.3150



96.6010, 0.3097, 0.3253



79.2717, 0.3040, 0.3335



20.7123, 0.3099, 0.3255



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.



72.4082, 0.3015, 0.3150



85.2912, 0.2987, 0.3115



70.9233, 0.3045, 0.3107



15.1387, 0.2980, 0.3106



5.1141, 0.1576, 0.0873



0.5477, 0.1648, 0.1131

Inverse Universe

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



72.2944, 0.3223, 0.3247



85.1500, 0.3249, 0.3236



80.6169, 0.3206, 0.3470



15.1136, 0.3255, 0.3233



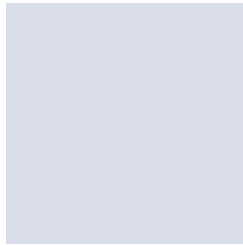
10.0091, 0.5954, 0.3054



0.8007, 0.5566, 0.2840

Previews

White Background



This preview shows how the Yxy color 72.4051, 0.3015, 0.3150 looks on a white background.

Color Contrast Check

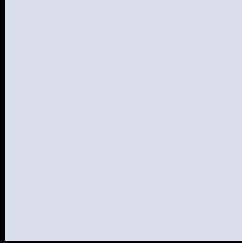
Large Text (above 18pt) WCAG AA × Fail

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 72.4051, 0.3015, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

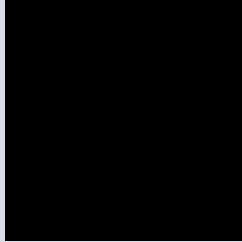
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

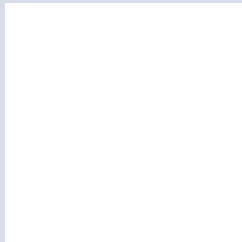
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4051, 0.3015, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 72.4051, 0.3015, 0.3150.

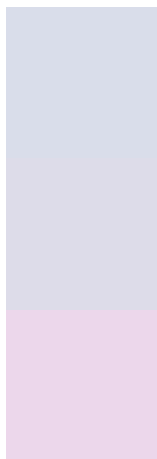


This preview shows how white text looks on a background with the Yxy color 72.4051, 0.3015, 0.3150.

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

72.4051, 0.3015, 0.3150

Protanopia

72.4417, 0.3049, 0.3150

Deuteranopia

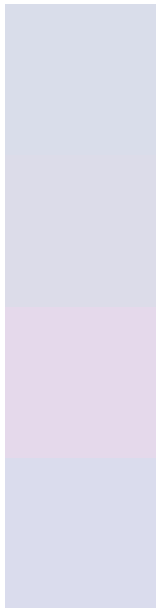
72.4319, 0.3144, 0.3082



Tritanopia

72.2649, 0.2997, 0.3097

Trichromacy



Original Color

72.4051, 0.3015, 0.3150

Protanomaly

72.2852, 0.3043, 0.3150

Deuteranomaly

72.2819, 0.3093, 0.3100

Tritanomaly

72.2063, 0.3003, 0.3107

Monochromacy



Original Color

72.4051, 0.3015, 0.3150

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.4195, 0.3087, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4051, 0.3015, 0.3150 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, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 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(217, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 234) }
```

Border

The CSS property to change the border of an element to Yxy 72.4051, 0.3015, 0.3150 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, 221, 234) }
```

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

```
.border{ border-color:rgb(217, 221, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 221, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
234) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.4051, 0.3015, 0.3150$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 234) }
```

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

```
.background{ background-color: rgb(217,  
221, 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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