

Converting Colors

$Y_{xy}(72.2712, 0.2962, 0.3169)$

Have a look what the booklet for
Yxy(72.2712, 0.2962, 0.3169)
contains.

Yxy(72.2712, 0.2962, 0.3169)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2712, 0.2962, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	D1DFEA
RGB	209, 223, 234
RGB Percent	82%, 87%, 92%
CMY	0.1801, 0.1256, 0.0823
CMYK	0.11, 0.05, 0.00, 0.08
HSL	207°, 37%, 87%
HSV	207°, 11%, 92%
XYZ	67.5504, 72.2712, 88.2352
YIQ	220.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

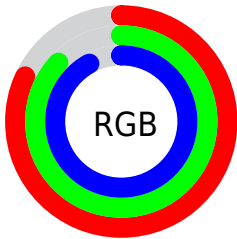
Format	Color
R _Y B	209, 218, 234
Decimal	13754346
CIE Lab	88.10, -2.50, -6.98
CIE LCh	88, 7.415, 250.307
Yxy	72.2712, 0.2962, 0.3169
Android (android.graphics.Color)	4291944426 (0xFFD1DFEA)
YUV	220.0680, 6.8685, -9.7066
Hunter-Lab	85.0125, -6.9367, -2.0289

Details

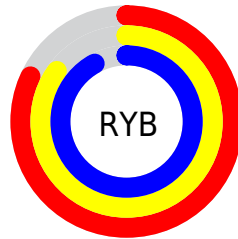
The Yxy color **72.2712, 0.2962, 0.3169** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.3416, 0.3303, 0.3408**, and the grayscale version is **71.5875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0896, 0.2921, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **63.7448, 0.2803, 0.3042**, and if you desaturate by 10%, it is **81.6431, 0.3117, 0.3283**.

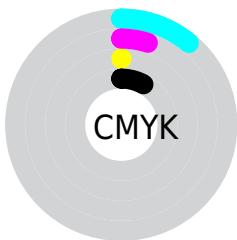
Distribution



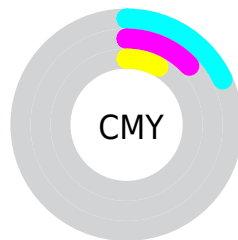
- Red (82%)
- Green (87%)
- Blue (92%)



- Red (82%)
- Yellow (85%)
- Blue (92%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (18%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2712, 0.2962, 0.3169 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 72.2712, 0.2962, 0.3169 by changing the saturation by 10% instead.

■ 72.2712, 0.2962,
0.3169

■ 72.2712, 0.2962,
0.3169

468.4850, 0.3038,
0.3225

■ 53.3802, 0.2945,
0.3156

122.4420, 0.2988,
0.3189

■ 38.1064, 0.2923,
0.3140

154.4907, 0.2999,
0.3196

■ 26.0653, 0.2896,
0.3120

191.6940, 0.3008,
0.3203

■ 16.8725, 0.2861,
0.3093

234.4365, 0.3015,
0.3209

■ 10.1436, 0.2812,
0.3056

283.1024, 0.3022,
0.3214

■ 5.4943, 0.2743,
0.3002

338.0762, 0.3028,

■ 2.5401, 0.2634,

0.3218

0.2918

399.7423, 0.3033,
0.3222

0.8966, 0.2439,
0.2764

0.0000, 0.0000,
0.0000

72.2712, 0.2962,
0.3169

72.2712, 0.2962,
0.3169

63.7448, 0.2803,
0.3042

81.6431, 0.3117,
0.3283

56.0269, 0.2642,
0.2903

91.7100, 0.3261,
0.3385

49.0912, 0.2484,
0.2752

98.1028, 0.3251,
0.3484

42.9059, 0.2332,
0.2591

98.7209, 0.3250,
0.3493

■ 37.4369, 0.2192,
0.2421

■ 32.6462, 0.2066,
0.2248

■ 28.4915, 0.1961,
0.2074

■ 24.9231, 0.1879,
0.1904

■ 22.0451, 0.1820,
0.1752

Harmonies

Analogous

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



72.2712, 0.2958, 0.3233



72.2712, 0.2962, 0.3169



72.2712, 0.3010, 0.3139

Triad

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



72.2712, 0.2962, 0.3169



72.2712, 0.3257, 0.3265



72.2712, 0.3163, 0.3437

Complementary

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



72.2712, 0.2962, 0.3169



73.3416, 0.3303, 0.3408

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.



72.2712, 0.3245, 0.3444



72.2712, 0.2962, 0.3169



72.2712, 0.3300, 0.3344

Square

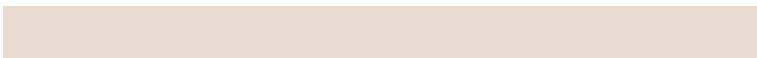
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2712, 0.2962, 0.3169



72.2712, 0.3180, 0.3194



72.2712, 0.3295, 0.3409



72.2712, 0.3073, 0.3389

Rectangle

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



72.2712, 0.2962, 0.3169



72.2712, 0.3060, 0.3141



72.2712, 0.3295, 0.3409



72.2712, 0.3193, 0.3444

Sweetspot

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



72.2742, 0.2962, 0.3169



96.4383, 0.3081, 0.3257



77.5774, 0.3048, 0.3445



20.4415, 0.3069, 0.3248



0.0000, 0.0000, 0.0000



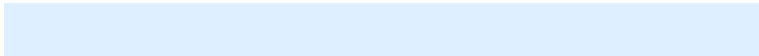
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2742, 0.2962, 0.3169



85.2464, 0.2924, 0.3140



65.9682, 0.2960, 0.3032



15.9425, 0.2981, 0.3183



12.6424, 0.1827, 0.1777



1.1840, 0.1890, 0.2005

Inverse Universe

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



68.4605, 0.3216, 0.3143



79.7344, 0.3239, 0.3108



80.0085, 0.3288, 0.3535



15.1947, 0.3206, 0.3159



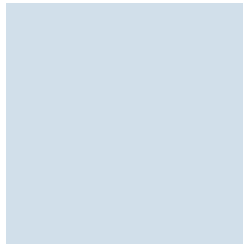
10.7691, 0.4713, 0.2370



0.8649, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 72.2712, 0.2962, 0.3169 looks on a white background.

Color Contrast Check

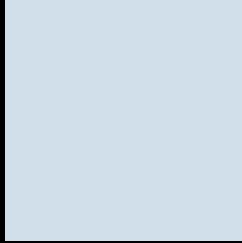
Large Text (above 18pt) WCAG AA × Fail

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 72.2712, 0.2962, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

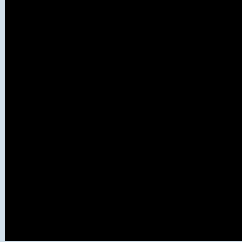
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

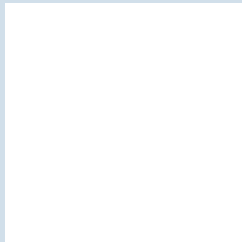
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2712, 0.2962, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 72.2712, 0.2962, 0.3169.

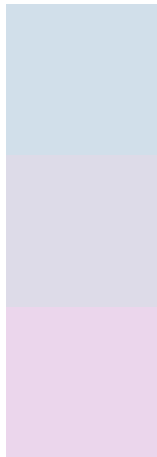


This preview shows how white text looks on a background with the Yxy color 72.2712, 0.2962, 0.3169.

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

72.2712, 0.2962, 0.3169

Protanopia

71.8614, 0.3056, 0.3150

Deuteranopia

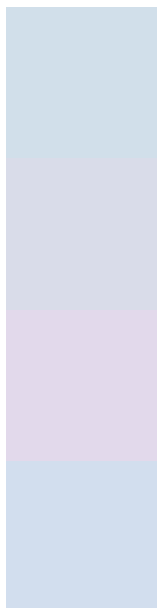
71.8114, 0.3131, 0.3061



Tritanopia

72.2355, 0.2931, 0.3094

Trichromacy



Original Color

72.2712, 0.2962, 0.3169

Protanomaly

71.8213, 0.3022, 0.3149

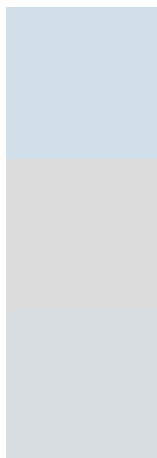
Deuteranomaly

71.7926, 0.3072, 0.3099

Tritanomaly

72.1172, 0.2943, 0.3116

Monochromacy



Original Color

72.2712, 0.2962, 0.3169

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.7481, 0.3066, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2712, 0.2962, 0.3169 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(209, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(209, 223, 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(209, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 223, 234) }
```

Border

The CSS property to change the border of an element to Yxy 72.2712, 0.2962, 0.3169 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(209, 223, 234) }
```

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

```
.border{ border-color:rgb(209, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(209, 223,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2712, 0.2962, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 223, 234) }
```

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

```
.background{ background-color: rgb(209,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor