

Converting Colors

$Yxy(76.8264, 0.2934, 0.3044)$

Have a look what the booklet for
Yxy(76.8264, 0.2934, 0.3044)
contains.

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Color

Yxy(77.0559, 0.2938, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	DCE3FA
RGB	220, 227, 250
RGB Percent	86%, 89%, 98%
CMY	0.1371, 0.1098, 0.0195
CMYK	0.12, 0.09, 0.00, 0.02
HSL	226°, 75%, 92%
HSV	226°, 12%, 98%
XYZ	74.2507, 77.0559, 101.4186
YIQ	227.5290, -11.5550, 5.6690

Conversions

Conversions Part 2

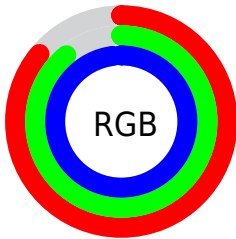
Format	Color
R _Y B	220, 226, 250
Decimal	14476282
CIE Lab	90.35, 2.10, -11.96
CIE LCh	90, 12.147, 279.957
Yxy	77.0559, 0.2938, 0.3049
Android (android.graphics.Color)	4292666362 (0xFFDCE3FA)
YUV	227.5290, 11.0782, -6.6029
Hunter-Lab	87.7815, -2.6320, -7.0538

Details

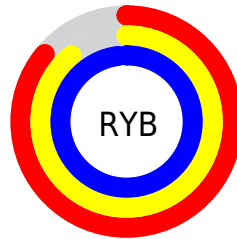
The Yxy color `77.0559, 0.2938, 0.3049` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `89.6404, 0.3315, 0.3520`, and the grayscale version is `77.1518, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.3994, 0.2892, 0.2993` is the 20% darker color. If you saturate the color by 10%, you get `63.5185, 0.2765, 0.2820`, and if you desaturate by 10%, it is `92.3550, 0.3097, 0.3252`.

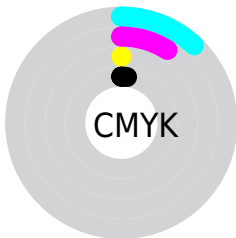
Distribution



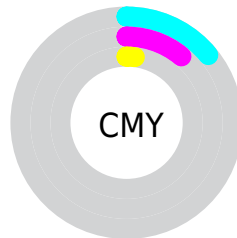
- Red (86%)
- Green (89%)
- Blue (98%)



- Red (86%)
- Yellow (89%)
- Blue (98%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0559, 0.2938, 0.3049 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 77.0559, 0.2938, 0.3049 by changing the saturation by 10% instead.

■ 77.0559, 0.2938,
0.3049

■ 77.0559, 0.2938,
0.3049

484.9546, 0.3025,
0.3159

■ 57.2988, 0.2918,
0.3024

129.2184, 0.2968,
0.3087

■ 41.2451, 0.2894,
0.2994

162.3925, 0.2979,
0.3101

■ 28.5107, 0.2864,
0.2957

200.8078, 0.2990,
0.3114

■ 18.7110, 0.2825,
0.2908

244.8485, 0.2998,
0.3125

■ 11.4616, 0.2772,
0.2843

294.8992, 0.3006,
0.3135

■ 6.3782, 0.2698,
0.2751

351.3442, 0.3013,

■ 3.0764, 0.2584,

0.3144

0.2612

414.5678, 0.3019,
0.3152

■ 1.1718, 0.2391,
0.2381

■ 0.0385, 0.0874,
0.0383

■ 77.0559, 0.2938,
0.3049

■ 77.0559, 0.2938,
0.3049

■ 63.5185, 0.2765,
0.2820

■ 92.3550, 0.3097,
0.3252

■ 51.6690, 0.2581,
0.2567

■ 99.6835, 0.3156,
0.3338

■ 41.4426, 0.2389,
0.2292

■ 32.7663, 0.2197,
0.2003

■ 25.5615, 0.2013,
0.1710

■ 19.7423, 0.1849,
0.1428

■ 15.2130, 0.1714,
0.1173

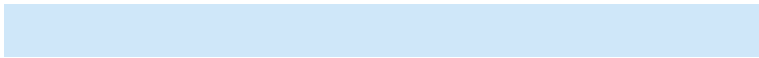
■ 11.8638, 0.1615,
0.0961

■ 9.9266, 0.1563,
0.0827

Harmonies

Analogous

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



77.0559, 0.2863, 0.3096



77.0559, 0.2938, 0.3049



77.0559, 0.3064, 0.3065

Triad

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



77.0559, 0.2938, 0.3049



77.0559, 0.3405, 0.3372



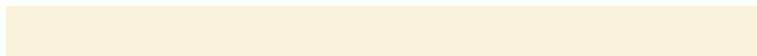
77.0559, 0.3041, 0.3451

Complementary

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



77.0559, 0.2938, 0.3049



89.6404, 0.3315, 0.3520

Split Complementary

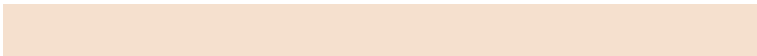
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0559, 0.3185, 0.3529



77.0559, 0.2938, 0.3049



77.0559, 0.3397, 0.3479

Square

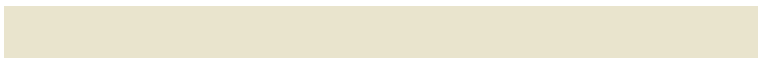
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0559, 0.2938, 0.3049



77.0559, 0.3335, 0.3248



77.0559, 0.3316, 0.3538



77.0559, 0.2922, 0.3328

Rectangle

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



77.0559, 0.2938, 0.3049



77.0559, 0.3161, 0.3107



77.0559, 0.3316, 0.3538



77.0559, 0.3088, 0.3484

Sweetspot

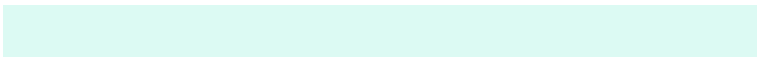
The Sweet Spot groups the original color and five complimentary colors.



77.0591, 0.2938, 0.3049



93.2190, 0.3066, 0.3214



90.0790, 0.2982, 0.3362



19.6870, 0.3055, 0.3199



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.



77.0591, 0.2938, 0.3049



77.5813, 0.2904, 0.3005



74.6108, 0.2990, 0.2980



17.2960, 0.2979, 0.3102



5.4441, 0.1570, 0.0851



0.6583, 0.1629, 0.1065

Inverse Universe

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



77.0811, 0.3296, 0.3220



77.6577, 0.3329, 0.3208



92.4358, 0.3254, 0.3592



17.2911, 0.3257, 0.3235



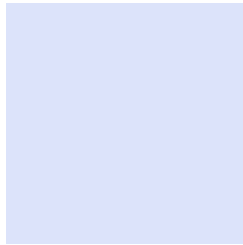
10.9605, 0.5989, 0.3073



1.0307, 0.5662, 0.2893

Previews

White Background



This preview shows how the Yxy color 77.0559, 0.2938, 0.3049 looks on a white background.

Color Contrast Check

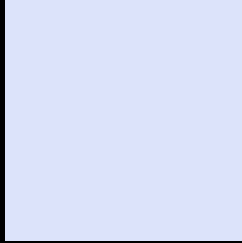
Large Text (above 18pt) WCAG AA × Fail

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 77.0559, 0.2938, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

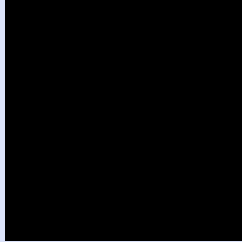
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0559, 0.2938, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 77.0559, 0.2938, 0.3049.

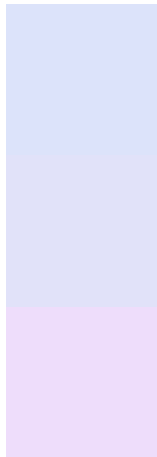


This preview shows how white text looks on a background with the Yxy color 77.0559, 0.2938, 0.3049.

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

77.0559, 0.2938, 0.3049

Protanopia

77.2398, 0.2976, 0.3051

Deuteranopia

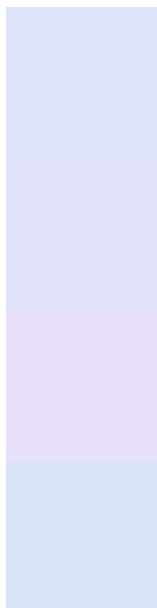
76.8551, 0.3051, 0.2986



Tritanopia

77.2007, 0.2955, 0.3100

Trichromacy



Original Color

77.0559, 0.2938, 0.3049

Protanomaly

76.9202, 0.2963, 0.3050

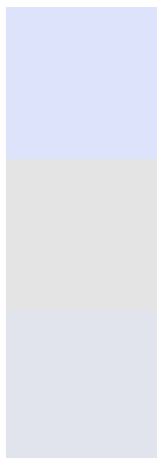
Deuteranomaly

76.7293, 0.3004, 0.3003

Tritanomaly

77.2623, 0.2949, 0.3090

Monochromacy



Original Color

77.0559, 0.2938, 0.3049

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5505, 0.3056, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0559, 0.2938, 0.3049 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(220, 227, 250)` looks like.

```
.text, #text, p{  
    color:rgb(220, 227, 250)  
}
```

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(220, 227, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 250) }
```

Border

The CSS property to change the border of an element to Yxy 77.0559, 0.2938, 0.3049 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(220, 227, 250) }
```

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

```
.border{ border-color:rgb(220, 227, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 227, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 250);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0559, 0.2938, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 250) }
```

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

```
.background{ background-color: rgb(220,  
227, 250) }
```

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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