

Converting Colors

$Y_{xy}(76.8780, 0.2976, 0.3152)$

Have a look what the booklet for
Yxy(76.8780, 0.2976, 0.3152)
contains.

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Color

Yxy(76.7431, 0.2979, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	DAE4F1
RGB	218, 228, 241
RGB Percent	85%, 89%, 95%
CMY	0.1451, 0.1058, 0.0549
CMYK	0.10, 0.05, 0.00, 0.05
HSL	214°, 45%, 90%
HSV	214°, 10%, 95%
XYZ	72.5310, 76.7431, 94.2002
YIQ	226.4920, -10.1330, 1.9230

Conversions

Conversions Part 2

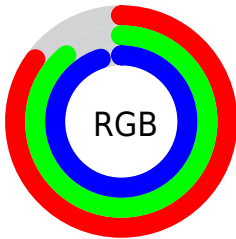
Format	Color
R _Y B	218, 225, 241
Decimal	14345457
CIE Lab	90.20, -0.86, -7.46
CIE LCh	90, 7.513, 263.416
Yxy	76.7431, 0.2979, 0.3152
Android (android.graphics.Color)	4292535537 (0xFFDAE4F1)
YUV	226.4920, 7.1524, -7.4475
Hunter-Lab	87.6031, -5.5165, -2.4327

Details

The Yxy color **76.7431, 0.2979, 0.3152** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.8991, 0.3280, 0.3424**, and the grayscale version is **76.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1765, 0.2945, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **66.1036, 0.2816, 0.2991**, and if you desaturate by 10%, it is **88.5182, 0.3134, 0.3296**.

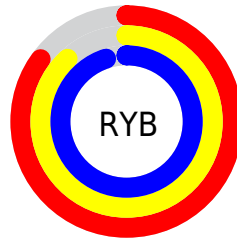
Distribution



Red (85%)

Green (89%)

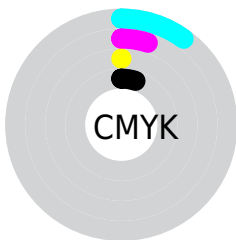
Blue (95%)



Red (85%)

Yellow (88%)

Blue (95%)

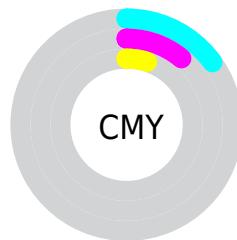


Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (11%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7431, 0.2979, 0.3152 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 76.7431, 0.2979, 0.3152 by changing the saturation by 10% instead.

■ 76.7431, 0.2979,
0.3152

■ 76.7431, 0.2979,
0.3152

483.8877, 0.3047,
0.3215

■ 57.0421, 0.2964,
0.3138

128.7768, 0.3002,
0.3174

■ 41.0390, 0.2945,
0.3120

161.8782, 0.3011,
0.3182

■ 28.3496, 0.2921,
0.3098

200.2152, 0.3019,
0.3190

■ 18.5893, 0.2890,
0.3069

244.1722, 0.3026,
0.3196

■ 11.3739, 0.2849,
0.3030

294.1335, 0.3032,
0.3202

■ 6.3189, 0.2790,
0.2974

350.4836, 0.3038,

■ 3.0400, 0.2700,

0.3207

0.2888

413.6069, 0.3042,
0.3211

■ 1.1526, 0.2544,
0.2739

■ 0.0225, 0.0006,
0.0395

■ 76.7431, 0.2979,
0.3152

■ 76.7431, 0.2979,
0.3152

■ 66.1036, 0.2816,
0.2991

■ 88.5182, 0.3134,
0.3296

■ 56.5535, 0.2648,
0.2812

■ 99.1303, 0.3209,
0.3425

■ 48.0570, 0.2477,
0.2617

■ 40.5727, 0.2309,
0.2408

■ 34.0559, 0.2150,
0.2190

■ 28.4580, 0.2005,
0.1968

■ 23.7248, 0.1880,
0.1749

■ 19.7942, 0.1782,
0.1540

■ 16.5766, 0.1709,
0.1349

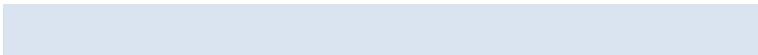
Harmonies

Analogous

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



76.7431, 0.2955, 0.3202



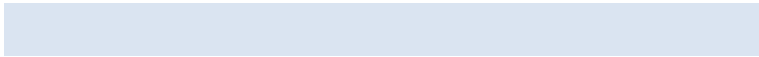
76.7431, 0.2979, 0.3152



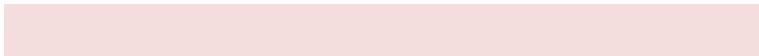
76.7431, 0.3042, 0.3139

Triad

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



76.7431, 0.2979, 0.3152



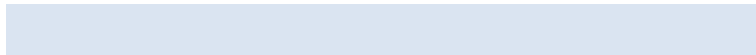
76.7431, 0.3280, 0.3300



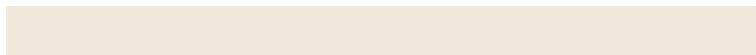
76.7431, 0.3123, 0.3420

Complementary

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



76.7431, 0.2979, 0.3152



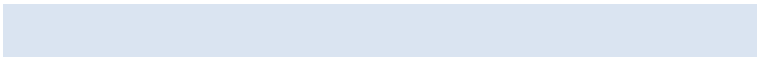
80.8991, 0.3280, 0.3424

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.



76.7431, 0.3211, 0.3445



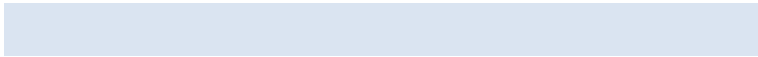
76.7431, 0.2979, 0.3152



76.7431, 0.3302, 0.3375

Square

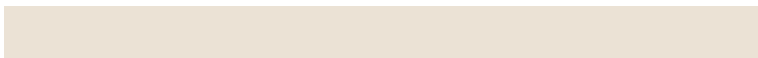
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7431, 0.2979, 0.3152



76.7431, 0.3216, 0.3224



76.7431, 0.3277, 0.3428



76.7431, 0.3038, 0.3358

Rectangle

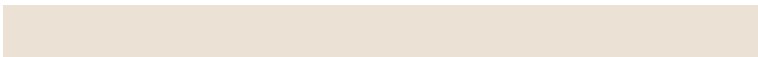
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7431, 0.2979, 0.3152



76.7431, 0.3099, 0.3152



76.7431, 0.3277, 0.3428



76.7431, 0.3154, 0.3433

Sweetspot

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



76.7463, 0.2979, 0.3152



95.8533, 0.3081, 0.3248



83.5586, 0.3040, 0.3399



20.2836, 0.3069, 0.3237



0.0000, 0.0000, 0.0000



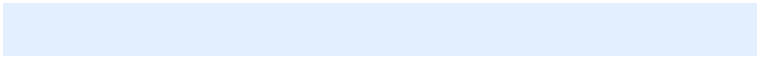
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7463, 0.2979, 0.3152



85.3724, 0.2955, 0.3129



71.5727, 0.2986, 0.3044



16.3612, 0.2980, 0.3153



9.1744, 0.1714, 0.1370



0.9576, 0.1785, 0.1625

Inverse Universe

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



74.4409, 0.3226, 0.3187



82.4126, 0.3243, 0.3170



86.4637, 0.3261, 0.3526



15.8732, 0.3225, 0.3188



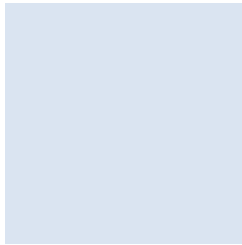
10.7195, 0.5231, 0.2655



0.9114, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 76.7431, 0.2979, 0.3152 looks on a white background.

Color Contrast Check

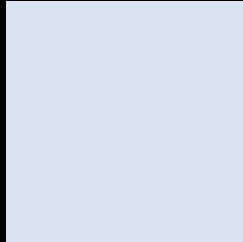
Large Text (above 18pt) WCAG AA × Fail

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 76.7431, 0.2979, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

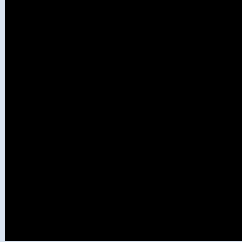
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

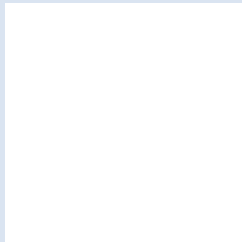
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7431, 0.2979, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 76.7431, 0.2979, 0.3152.

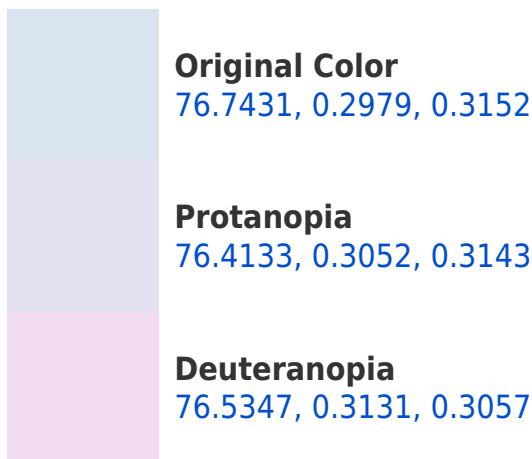


This preview shows how white text looks on a background with the Yxy color 76.7431, 0.2979, 0.3152.

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

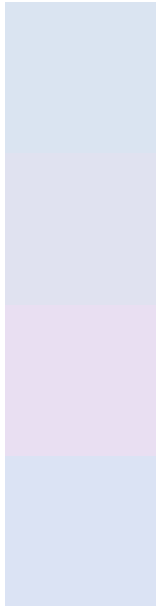




Tritanopia

76.5908, 0.2961, 0.3100

Trichromacy



Original Color

76.7431, 0.2979, 0.3152

Protanomaly

76.5313, 0.3025, 0.3143

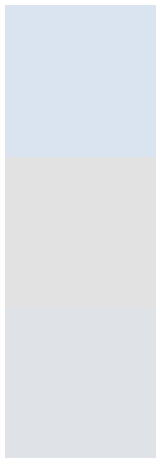
Deuteranomaly

76.5098, 0.3074, 0.3094

Tritanomaly

76.5299, 0.2967, 0.3110

Monochromacy



Original Color

76.7431, 0.2979, 0.3152

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3957, 0.3074, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7431, 0.2979, 0.3152 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(218, 228, 241)` looks like.

```
.text, #text, p{  
    color:rgb(218, 228, 241)  
}
```

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(218, 228, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 241) }
```

Border

The CSS property to change the border of an element to Yxy 76.7431, 0.2979, 0.3152 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(218, 228, 241) }
```

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

```
.border{ border-color:rgb(218, 228, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 228, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 241);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7431, 0.2979, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 241) }
```

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

```
.background{ background-color: rgb(218,  
228, 241) }
```

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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