

Converting Colors

$Y_{xy}(76.7878, 0.3019, 0.3161)$

Have a look what the booklet for
Yxy(76.7878, 0.3019, 0.3161)
contains.

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Color

Yxy(76.6998, 0.3018, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	DEE3EF
RGB	222, 227, 239
RGB Percent	87%, 89%, 94%
CMY	0.1292, 0.1098, 0.0627
CMYK	0.07, 0.05, 0.00, 0.06
HSL	223°, 35%, 90%
HSV	223°, 7%, 94%
XYZ	73.1837, 76.6998, 92.6072
YIQ	226.8730, -6.8320, 2.6720

Conversions

Conversions Part 2

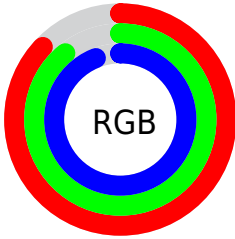
Format	Color
R _Y B	222, 226, 239
Decimal	14607343
CIE Lab	90.18, 0.59, -6.42
CIE LCh	90, 6.445, 275.263
Yxy	76.6998, 0.3018, 0.3163
Android (android.graphics.Color)	4292797423 (0xFFDEE3EF)
YUV	226.8730, 5.9786, -4.2736
Hunter-Lab	87.5784, -4.1012, -1.3895

Details

The Yxy color **76.6998, 0.3018, 0.3163** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.5048, 0.3237, 0.3414**, and the grayscale version is **76.6850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1394, 0.2994, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **64.3818, 0.2853, 0.2965**, and if you desaturate by 10%, it is **90.4699, 0.3170, 0.3339**.

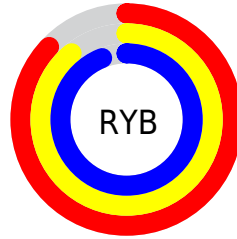
Distribution



Red (87%)

Green (89%)

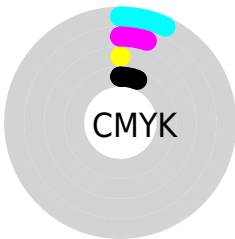
Blue (94%)



Red (87%)

Yellow (89%)

Blue (94%)

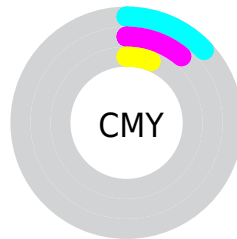


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (13%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6998, 0.3018, 0.3163 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 76.6998, 0.3018, 0.3163 by changing the saturation by 10% instead.

■ 76.6998, 0.3018,
0.3163

■ 76.6998, 0.3018,
0.3163

483.7399, 0.3068,
0.3221

■ 57.0065, 0.3007,
0.3150

128.7156, 0.3035,
0.3183

■ 41.0105, 0.2993,
0.3134

161.8070, 0.3042,
0.3191

■ 28.3273, 0.2975,
0.3113

200.1331, 0.3048,
0.3198

■ 18.5725, 0.2952,
0.3087

244.0785, 0.3053,
0.3204

■ 11.3618, 0.2921,
0.3051

294.0274, 0.3057,
0.3209

■ 6.3107, 0.2877,
0.3000

350.3644, 0.3061,

■ 3.0349, 0.2809,

0.3213

0.2922

413.4738, 0.3065,
0.3217

■ 1.1500, 0.2691,
0.2787

■ 0.0203, 0.0642,
0.0387

■ 76.6998, 0.3018,
0.3163

■ 76.6998, 0.3018,
0.3163

■ 64.3818, 0.2853,
0.2965

■ 90.4699, 0.3170,
0.3339

■ 53.4576, 0.2678,
0.2743

■ 99.0120, 0.3220,
0.3444

■ 43.8791, 0.2495,
0.2500

■ 35.5917, 0.2310,
0.2240

■ 28.5369, 0.2128,
0.1969

■ 22.6510, 0.1960,
0.1697

■ 17.8642, 0.1814,
0.1437

■ 14.0978, 0.1698,
0.1201

■ 11.2578, 0.1617,
0.1003

Harmonies

Analogous

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



76.6998, 0.2983, 0.3194



76.6998, 0.3018, 0.3163



76.6998, 0.3082, 0.3165

Triad

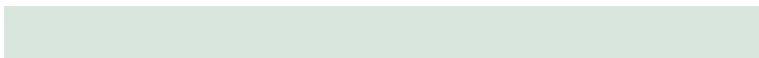
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6998, 0.3018, 0.3163



76.6998, 0.3271, 0.3325



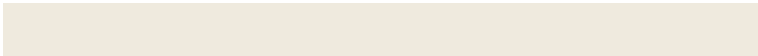
76.6998, 0.3094, 0.3383

Complementary

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



76.6998, 0.3018, 0.3163



82.5048, 0.3237, 0.3414

Split Complementary

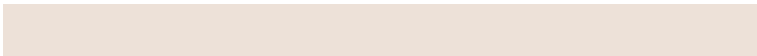
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6998, 0.3171, 0.3419



76.6998, 0.3018, 0.3163



76.6998, 0.3274, 0.3384

Square

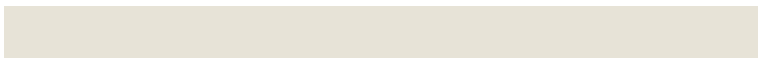
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6998, 0.3018, 0.3163



76.6998, 0.3229, 0.3258



76.6998, 0.3237, 0.3419



76.6998, 0.3026, 0.3322

Rectangle

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



76.6998, 0.3018, 0.3163



76.6998, 0.3134, 0.3185



76.6998, 0.3237, 0.3419



76.6998, 0.3119, 0.3399

Sweetspot

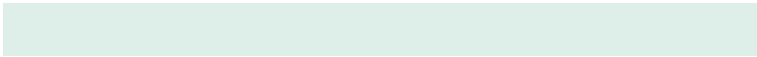
The Sweet Spot groups the original color and five complimentary colors.



76.7030, 0.3018, 0.3163



96.7621, 0.3097, 0.3255



83.2056, 0.3047, 0.3343



20.7451, 0.3098, 0.3257



0.0000, 0.0000, 0.0000



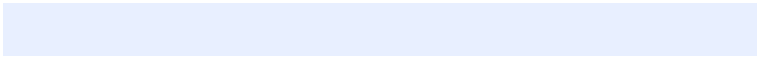
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7030, 0.3018, 0.3163



85.9668, 0.2987, 0.3126



74.5785, 0.3041, 0.3111



15.9798, 0.2980, 0.3118



6.0400, 0.1605, 0.0979



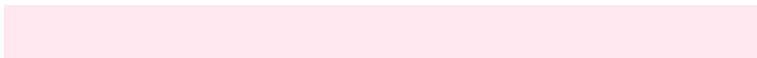
0.6679, 0.1676, 0.1234

Inverse Universe

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



76.1646, 0.3215, 0.3239



85.2182, 0.3241, 0.3225



84.7754, 0.3209, 0.3465



15.8347, 0.3247, 0.3221



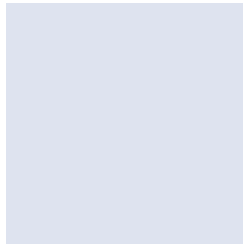
10.4031, 0.5791, 0.2964



0.8821, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 76.6998, 0.3018, 0.3163 looks on a white background.

Color Contrast Check

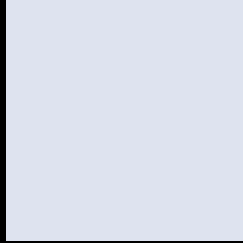
Large Text (above 18pt) WCAG AA × Fail

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 76.6998, 0.3018, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

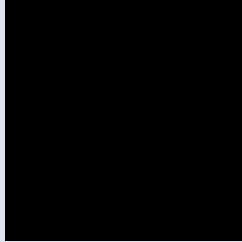
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

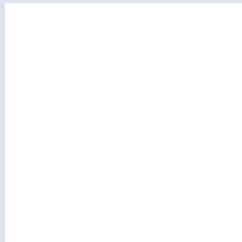
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6998, 0.3018, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 76.6998, 0.3018, 0.3163.

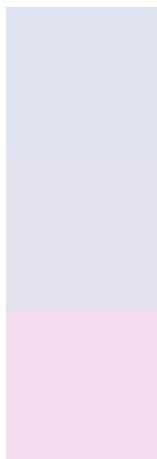


This preview shows how white text looks on a background with the Yxy color 76.6998, 0.3018, 0.3163.

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

76.6998, 0.3018, 0.3163

Protanopia

76.3544, 0.3058, 0.3154

Deuteranopia

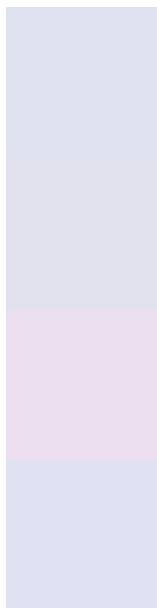
76.5324, 0.3158, 0.3087



Tritanopia

76.6123, 0.2994, 0.3101

Trichromacy



Original Color

76.6998, 0.3018, 0.3163

Protanomaly

76.5733, 0.3044, 0.3164

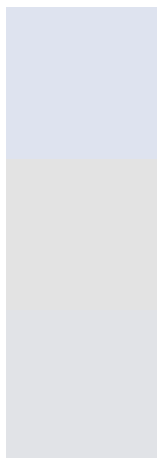
Deuteranomaly

76.7288, 0.3101, 0.3115

Tritanomaly

76.4915, 0.3006, 0.3122

Monochromacy



Original Color

76.6998, 0.3018, 0.3163

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7152, 0.3088, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6998, 0.3018, 0.3163 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(222, 227, 239)` looks like.

```
.text, #text, p{  
    color:rgb(222, 227, 239)  
}
```

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(222, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 227, 239) }
```

Border

The CSS property to change the border of an element to Yxy 76.6998, 0.3018, 0.3163 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(222, 227, 239) }
```

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

```
.border{ border-color:rgb(222, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(222, 227,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6998, 0.3018, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 227, 239) }
```

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

```
.background{ background-color: rgb(222,  
227, 239) }
```

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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