

Converting Colors

$Yxy(78.5421, 0.3007, 0.3194)$

Have a look what the booklet for
Yxy(78.5421, 0.3007, 0.3194)
contains.

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Color

Yxy(78.8153, 0.3005, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	DDE7F0
RGB	221, 231, 240
RGB Percent	87%, 91%, 94%
CMY	0.1332, 0.0941, 0.0588
CMYK	0.08, 0.04, 0.00, 0.06
HSL	208°, 39%, 90%
HSV	208°, 8%, 94%
XYZ	74.1283, 78.8153, 93.7396
YIQ	229.0360, -8.8490, 0.6790

Conversions

Conversions Part 2

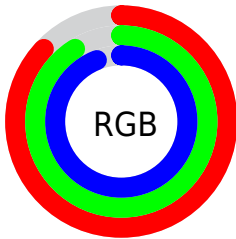
Format	Color
R _{YB}	221, 228, 240
Decimal	14542832
CIE Lab	91.15, -1.62, -5.52
CIE LCh	91, 5.751, 253.686
Yxy	78.8153, 0.3005, 0.3195
Android (android.graphics.Color)	4292732912 (0xFFDDE7F0)
YUV	229.0360, 5.4053, -7.0476
Hunter-Lab	88.7780, -6.3166, -0.4590

Details

The Yxy color **78.8153, 0.3005, 0.3195** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.3549, 0.3254, 0.3383**, and the grayscale version is **78.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2276, 0.2978, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **69.1490, 0.2846, 0.3062**, and if you desaturate by 10%, it is **89.4413, 0.3159, 0.3314**.

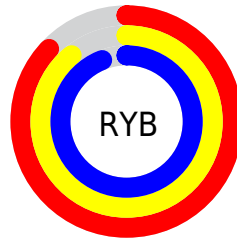
Distribution



Red (87%)

Green (91%)

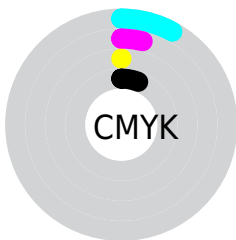
Blue (94%)



Red (87%)

Yellow (89%)

Blue (94%)

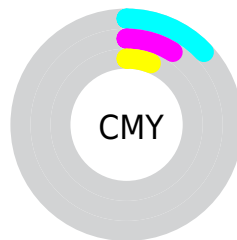


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (6%)



Cyan (13%)

Magenta (9%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8153, 0.3005, 0.3195 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 78.8153, 0.3005, 0.3195 by changing the saturation by 10% instead.

■ 78.8153, 0.3005,
0.3195

■ 78.8153, 0.3005,
0.3195

490.9313, 0.3061,
0.3239

■ 58.7440, 0.2993,
0.3185

131.6988, 0.3024,
0.3210

■ 42.4070, 0.2977,
0.3173

165.2798, 0.3032,
0.3216

■ 29.4202, 0.2958,
0.3158

204.1327, 0.3038,
0.3221

■ 19.3989, 0.2933,
0.3138

248.6421, 0.3044,
0.3225

■ 11.9589, 0.2899,
0.3111

299.1922, 0.3049,
0.3229

■ 6.7157, 0.2852,
0.3073

356.1675, 0.3053,

■ 3.2849, 0.2779,

0.3233

419.9524, 0.3057,
0.3236

0.3015

1.2822, 0.2656,
0.2913

0.1274, 0.1113,
0.1736

78.8153, 0.3005,
0.3195

78.8153, 0.3005,
0.3195

69.1490, 0.2846,
0.3062

89.4413, 0.3159,
0.3314

60.4020, 0.2683,
0.2916

98.2876, 0.3215,
0.3423

52.5450, 0.2521,
0.2756

99.0710, 0.3214,
0.3434

45.5435, 0.2363,
0.2585

■ 39.3602, 0.2214,
0.2404

■ 33.9542, 0.2079,
0.2218

■ 29.2801, 0.1964,
0.2031

■ 25.2853, 0.1871,
0.1848

■ 21.9017, 0.1801,
0.1673

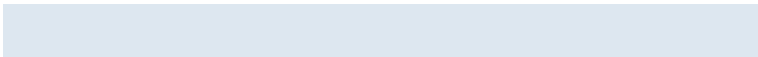
Harmonies

Analogous

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



78.8153, 0.2998, 0.3241



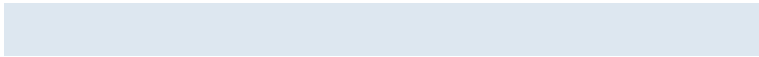
78.8153, 0.3005, 0.3195



78.8153, 0.3045, 0.3175

Triad

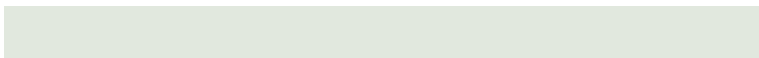
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8153, 0.3005, 0.3195



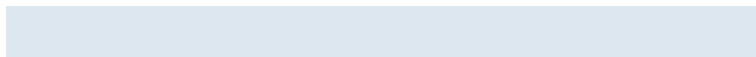
78.8153, 0.3230, 0.3278



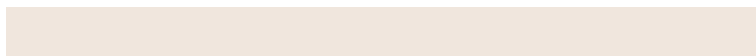
78.8153, 0.3147, 0.3398

Complementary

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



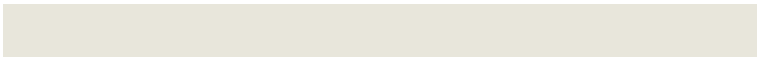
78.8153, 0.3005, 0.3195



80.3549, 0.3254, 0.3383

Split Complementary

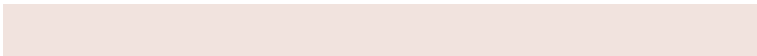
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8153, 0.3210, 0.3407



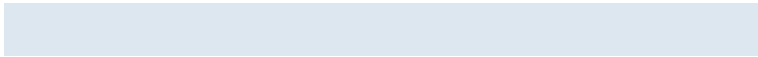
78.8153, 0.3005, 0.3195



78.8153, 0.3258, 0.3337

Square

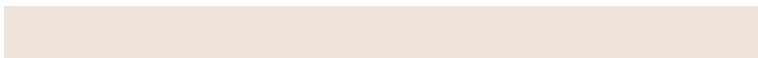
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



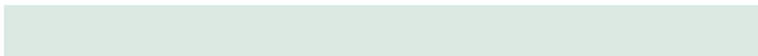
78.8153, 0.3005, 0.3195



78.8153, 0.3175, 0.3223



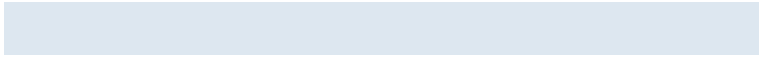
78.8153, 0.3251, 0.3385



78.8153, 0.3079, 0.3359

Rectangle

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



78.8153, 0.3005, 0.3195



78.8153, 0.3084, 0.3179



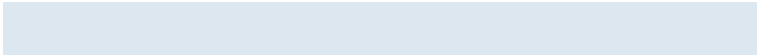
78.8153, 0.3251, 0.3385



78.8153, 0.3169, 0.3404

Sweetspot

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



78.8186, 0.3005, 0.3195



97.5116, 0.3097, 0.3267



83.4009, 0.3065, 0.3396



20.8977, 0.3098, 0.3268



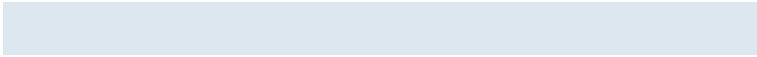
0.0000, 0.0000, 0.0000



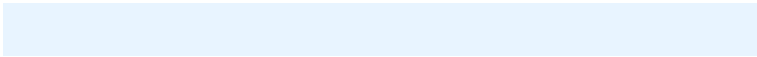
21.4041, 0.3127, 0.3290

Same Dimension

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



78.8186, 0.3005, 0.3195



89.1536, 0.2987, 0.3181



73.7304, 0.3005, 0.3095



16.6039, 0.2980, 0.3175



11.9020, 0.1796, 0.1665



1.1893, 0.1860, 0.1894

Inverse Universe

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



76.0221, 0.3196, 0.3188



85.5399, 0.3207, 0.3173



85.6928, 0.3245, 0.3478



15.8977, 0.3211, 0.3167



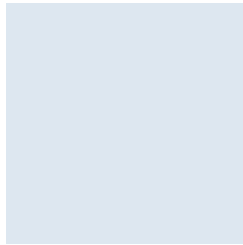
10.9949, 0.4850, 0.2445



0.9348, 0.4574, 0.2294

Previews

White Background



This preview shows how the Yxy color 78.8153, 0.3005, 0.3195 looks on a white background.

Color Contrast Check

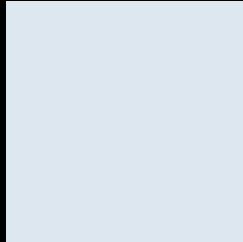
Large Text (above 18pt) WCAG AA × Fail

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 78.8153, 0.3005, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

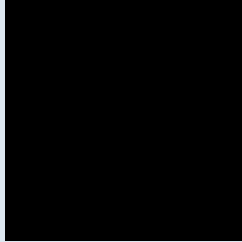
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

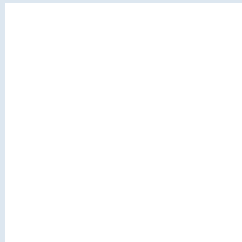
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8153, 0.3005, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 78.8153, 0.3005, 0.3195.

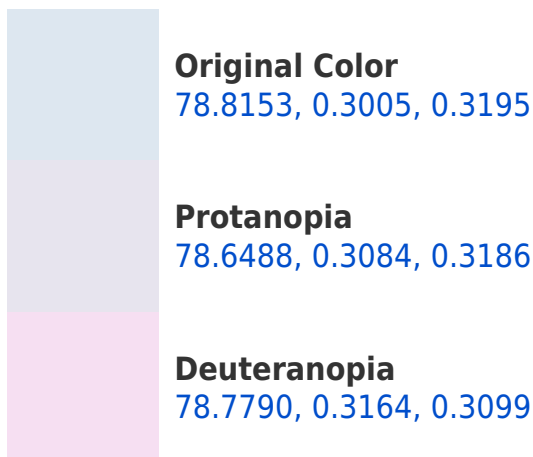


This preview shows how white text looks on a background with the Yxy color 78.8153, 0.3005, 0.3195.

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

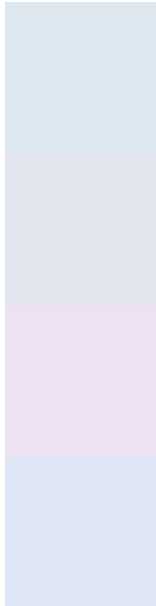




Tritanopia

78.9005, 0.2963, 0.3102

Trichromacy



Original Color

78.8153, 0.3005, 0.3195

Protanomaly

78.6015, 0.3051, 0.3186

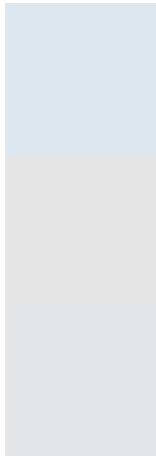
Deuteranomaly

78.7481, 0.3107, 0.3137

Tritanomaly

78.7158, 0.2981, 0.3133

Monochromacy



Original Color

78.8153, 0.3005, 0.3195

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.6456, 0.3081, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8153, 0.3005, 0.3195 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(221, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 240)  
}
```

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(221, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.8153, 0.3005, 0.3195 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(221, 231, 240) }
```

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

```
.border{ border-color:rgb(221, 231, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 231, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8153, 0.3005, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 240) }
```

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

```
.background{ background-color: rgb(221,  
231, 240) }
```

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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