

Converting Colors

$Yxy(76.7570, 0.3027, 0.3185)$

Have a look what the booklet for
Yxy(76.7570, 0.3027, 0.3185)
contains.

Yxy(76.5822, 0.3030, 0.3184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.5822, 0.3030, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	DEE3ED
RGB	222, 227, 237
RGB Percent	87%, 89%, 93%
CMY	0.1294, 0.1098, 0.0706
CMYK	0.06, 0.04, 0.00, 0.07
HSL	220°, 29%, 90%
HSV	220°, 6%, 93%
XYZ	72.8782, 76.5822, 91.0616
YIQ	226.6450, -6.1900, 2.0500

Conversions

Conversions Part 2

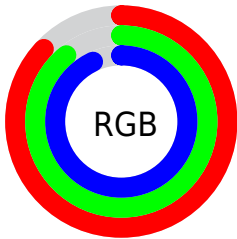
Format	Color
R _Y B	222, 226, 237
Decimal	14607341
CIE Lab	90.13, 0.19, -5.45
CIE LCh	90, 5.454, 271.960
Yxy	76.5822, 0.3030, 0.3184
Android (android.graphics.Color)	4292797421 (0xFFDEE3ED)
YUV	226.6450, 5.1050, -4.0737
Hunter-Lab	87.5113, -4.4924, -0.4375

Details

The Yxy color **76.5822, 0.3030, 0.3184** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.9869, 0.3225, 0.3394**, and the grayscale version is **76.5119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0567, 0.3010, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **64.8586, 0.2867, 0.2999**, and if you desaturate by 10%, it is **89.6301, 0.3181, 0.3348**.

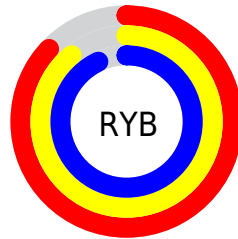
Distribution



Red (87%)

Green (89%)

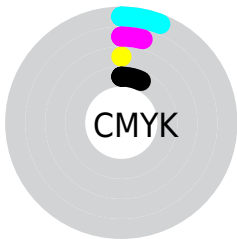
Blue (93%)



Red (87%)

Yellow (89%)

Blue (93%)

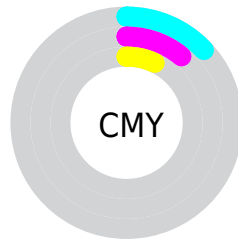


Cyan (6%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5822, 0.3030, 0.3184 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 76.5822, 0.3030, 0.3184 by changing the saturation by 10% instead.

■ 76.5822, 0.3030,
0.3184

■ 76.5822, 0.3030,
0.3184

483.3383, 0.3075,
0.3233

■ 56.9100, 0.3020,
0.3173

128.5495, 0.3045,
0.3201

■ 40.9330, 0.3008,
0.3159

161.6135, 0.3051,
0.3207

■ 28.2667, 0.2992,
0.3142

199.9102, 0.3057,
0.3213

■ 18.5268, 0.2971,
0.3120

243.8240, 0.3061,
0.3218

■ 11.3289, 0.2944,
0.3090

293.7393, 0.3065,
0.3222

■ 6.2885, 0.2905,
0.3047

350.0406, 0.3069,

■ 3.0213, 0.2844,

0.3226

0.2981

413.1121, 0.3072,
0.3230

■ 1.1429, 0.2738,
0.2866

■ 0.0143, 0.0422,
0.0333

■ 76.5822, 0.3030,
0.3184

■ 76.5822, 0.3030,
0.3184

■ 64.8586, 0.2867,
0.2999

■ 89.6301, 0.3181,
0.3348

■ 54.4066, 0.2695,
0.2794

■ 98.8945, 0.3232,
0.3464

■ 45.1840, 0.2516,
0.2568

■ 37.1425, 0.2336,
0.2325

■ 30.2304, 0.2159,
0.2070

■ 24.3916, 0.1995,
0.1811

■ 19.5645, 0.1851,
0.1559

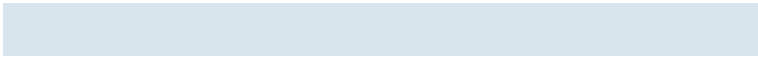
■ 15.6798, 0.1735,
0.1326

■ 12.6562, 0.1651,
0.1121

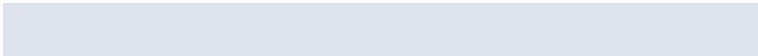
Harmonies

Analogous

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



76.5822, 0.3003, 0.3214



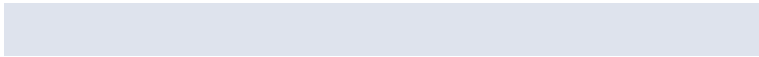
76.5822, 0.3030, 0.3184



76.5822, 0.3083, 0.3183

Triad

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



76.5822, 0.3030, 0.3184



76.5822, 0.3246, 0.3314



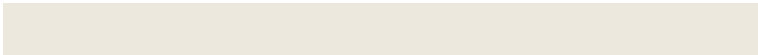
76.5822, 0.3106, 0.3373

Complementary

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



76.5822, 0.3030, 0.3184



80.9869, 0.3225, 0.3394

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.



76.5822, 0.3171, 0.3400



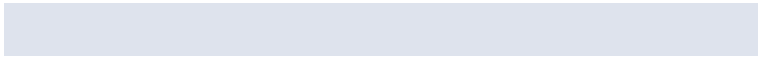
76.5822, 0.3030, 0.3184



76.5822, 0.3253, 0.3365

Square

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



76.5822, 0.3030, 0.3184



76.5822, 0.3208, 0.3257



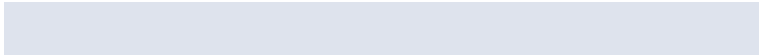
76.5822, 0.3225, 0.3397



76.5822, 0.3047, 0.3323

Rectangle

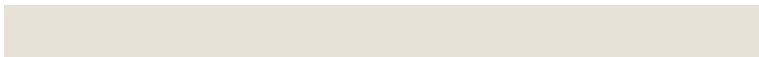
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5822, 0.3030, 0.3184



76.5822, 0.3126, 0.3198



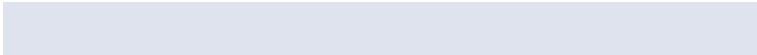
76.5822, 0.3225, 0.3397



76.5822, 0.3128, 0.3385

Sweetspot

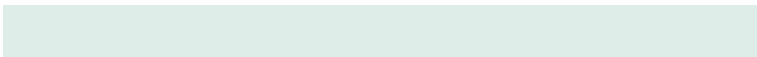
The Sweet Spot groups the original color and five complimentary colors.



76.5854, 0.3030, 0.3184



96.8972, 0.3097, 0.3257



81.9104, 0.3060, 0.3345



20.7726, 0.3098, 0.3259



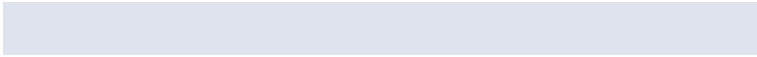
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.5854, 0.3030, 0.3184



87.9687, 0.3003, 0.3154



74.2421, 0.3046, 0.3131



15.3707, 0.2980, 0.3129



6.6176, 0.1634, 0.1083



0.6909, 0.1711, 0.1359

Inverse Universe

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



75.7919, 0.3201, 0.3238



86.8234, 0.3222, 0.3224



83.4629, 0.3206, 0.3446



15.1370, 0.3240, 0.3212



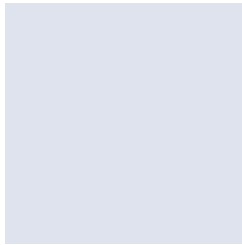
10.1609, 0.5635, 0.2878



0.8152, 0.5246, 0.2663

Previews

White Background



This preview shows how the Yxy color 76.5822, 0.3030, 0.3184 looks on a white background.

Color Contrast Check

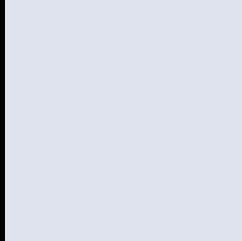
Large Text (above 18pt) WCAG AA × Fail

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 76.5822, 0.3030, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

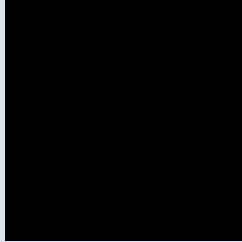
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

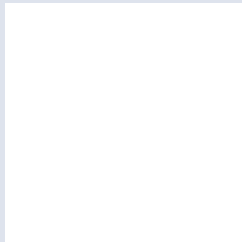
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5822, 0.3030, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 76.5822, 0.3030, 0.3184.

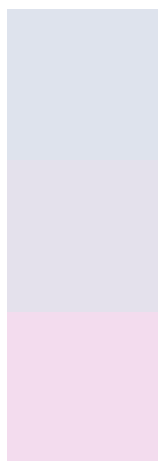


This preview shows how white text looks on a background with the Yxy color 76.5822, 0.3030, 0.3184.

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

76.5822, 0.3030, 0.3184

Protanopia

76.4005, 0.3077, 0.3175

Deuteranopia

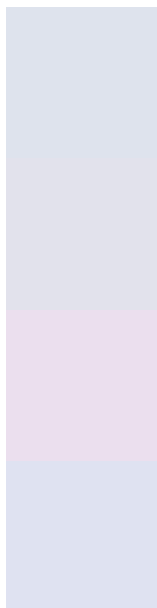
76.4141, 0.3171, 0.3107



Tritanopia

76.6123, 0.2994, 0.3101

Trichromacy



Original Color

76.5822, 0.3030, 0.3184

Protanomaly

76.6176, 0.3063, 0.3185

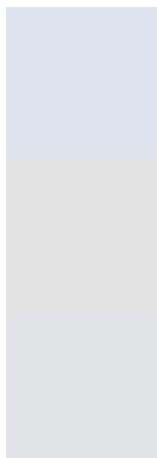
Deuteranomaly

76.6106, 0.3114, 0.3135

Tritanomaly

76.4316, 0.3012, 0.3132

Monochromacy



Original Color

76.5822, 0.3030, 0.3184

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 76.5822, 0.3030, 0.3184 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(222, 227, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 227, 237) }
```

Border

The CSS property to change the border of an element to Yxy 76.5822, 0.3030, 0.3184 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, 237) }
```

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

```
.border{ border-color:rgb(222, 227, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 227, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 227, 237); box-shadow:4px 4px 4px 4px rgb(222, 227, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5822, 0.3030, 0.3184 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, 237) }
```

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

```
.background{ background-color: rgb(222,  
227, 237) }
```

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