

Converting Colors

$Yxy(76.7677, 0.3084, 0.3219)$

Have a look what the booklet for
Yxy(76.7677, 0.3084, 0.3219)
contains.

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Color

Yxy(76.4447, 0.3082, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	E2E2E9
RGB	226, 226, 233
RGB Percent	89%, 89%, 91%
CMY	0.1139, 0.1137, 0.0862
CMYK	0.03, 0.03, 0.00, 0.09
HSL	239°, 14%, 90%
HSV	239°, 3%, 91%
XYZ	73.2595, 76.4447, 87.9970
YIQ	226.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

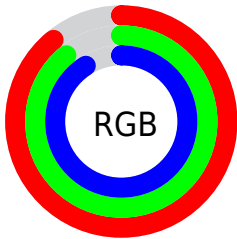
Format	Color
R_{YB}	226, 226, 233
Decimal	14869225
CIE Lab	90.07, 1.26, -3.42
CIE LCh	90, 3.646, 290.170
Yxy	76.4447, 0.3082, 0.3216
Android (android.graphics.Color)	4293059305 (0xFFE2E2E9)
YUV	226.7980, 3.0576, -0.6998
Hunter-Lab	87.4327, -3.4427, 1.5302

Details

The Yxy color `76.4447, 0.3082, 0.3216` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81.0680, 0.3172, 0.3363`, and the grayscale version is `76.6385, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.9581, 0.3077, 0.3208` is the 20% darker color. If you saturate the color by 10%, you get `61.2062, 0.2919, 0.2950`, and if you desaturate by 10%, it is `93.8938, 0.3224, 0.3448`.

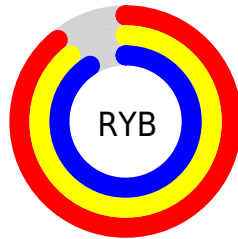
Distribution



Red (89%)

Green (89%)

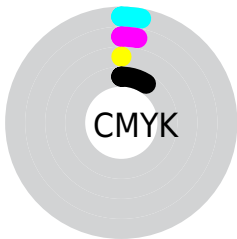
Blue (91%)



Red (89%)

Yellow (89%)

Blue (91%)

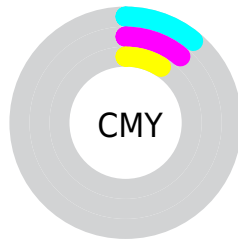


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4447, 0.3082, 0.3216 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 76.4447, 0.3082, 0.3216 by changing the saturation by 10% instead.

■ 76.4447, 0.3082,
0.3216

■ 76.4447, 0.3082,
0.3216

482.8686, 0.3103,
0.3250

■ 56.7972, 0.3077,
0.3208

128.3553, 0.3089,
0.3228

■ 40.8425, 0.3071,
0.3199

161.3873, 0.3092,
0.3232

■ 28.1960, 0.3064,
0.3187

199.6495, 0.3094,
0.3236

■ 18.4735, 0.3055,
0.3172

243.5264, 0.3097,
0.3240

■ 11.2904, 0.3042,
0.3151

293.4024, 0.3098,
0.3243

■ 6.2625, 0.3023,
0.3121

349.6618, 0.3100,

■ 3.0054, 0.2994,

0.3245

412.6891, 0.3101,
0.3248

0.3075

1.1345, 0.2943,
0.2994

0.0072, 0.1287,
0.0248

76.4447, 0.3082,
0.3216

76.4447, 0.3082,
0.3216

61.2062, 0.2919,
0.2950

93.8938, 0.3224,
0.3448

48.0807, 0.2736,
0.2649

98.6642, 0.3256,
0.3503

36.9780, 0.2535,
0.2318

27.7976, 0.2322,
0.1967

■ 20.4303, 0.2107,
0.1612

■ 14.7560, 0.1904,
0.1277

■ 10.6404, 0.1732,
0.0991

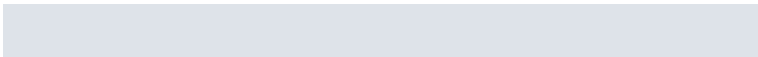
■ 7.9285, 0.1604,
0.0777

■ 6.4336, 0.1528,
0.0649

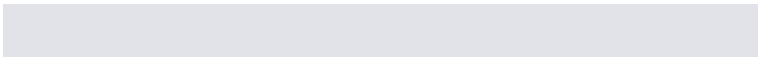
Harmonies

Analogous

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



76.4447, 0.3053, 0.3225



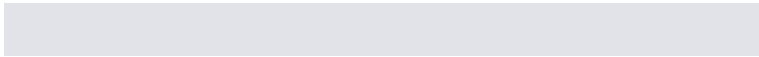
76.4447, 0.3082, 0.3216



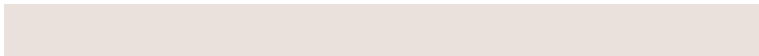
76.4447, 0.3124, 0.3227

Triad

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



76.4447, 0.3082, 0.3216



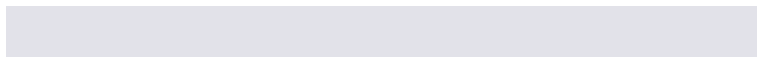
76.4447, 0.3212, 0.3328



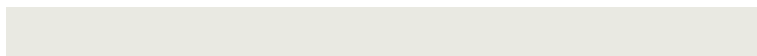
76.4447, 0.3088, 0.3327

Complementary

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



76.4447, 0.3082, 0.3216



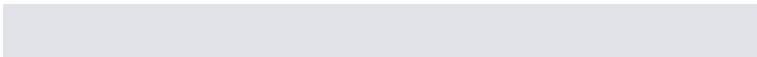
81.0680, 0.3172, 0.3363

Split Complementary

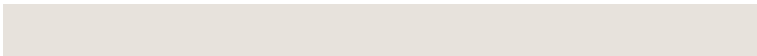
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4447, 0.3130, 0.3355



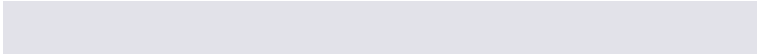
76.4447, 0.3082, 0.3216



76.4447, 0.3202, 0.3355

Square

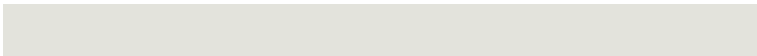
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



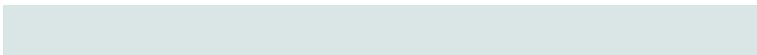
76.4447, 0.3082, 0.3216



76.4447, 0.3199, 0.3291



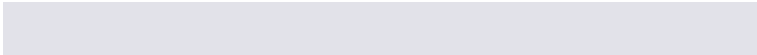
76.4447, 0.3172, 0.3365



76.4447, 0.3056, 0.3289

Rectangle

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



76.4447, 0.3082, 0.3216



76.4447, 0.3153, 0.3243



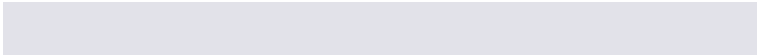
76.4447, 0.3172, 0.3365



76.4447, 0.3101, 0.3338

Sweetspot

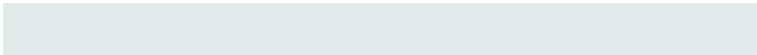
The Sweet Spot groups the original color and five complimentary colors.



76.4480, 0.3082, 0.3216



97.9174, 0.3112, 0.3266



80.3269, 0.3081, 0.3291



20.9803, 0.3113, 0.3267



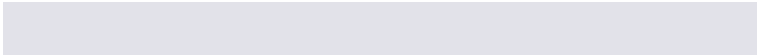
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.4480, 0.3082, 0.3216



91.8344, 0.3067, 0.3191



76.9715, 0.3105, 0.3216



16.1745, 0.3056, 0.3173



3.3727, 0.1502, 0.0606



0.2723, 0.1506, 0.0621

Inverse Universe

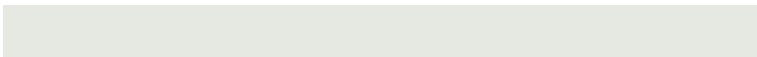
The Inverse Universe completely reimagines the original color for something new.



77.1871, 0.3176, 0.3290



93.0297, 0.3193, 0.3289



80.5340, 0.3148, 0.3364



16.4252, 0.3205, 0.3289



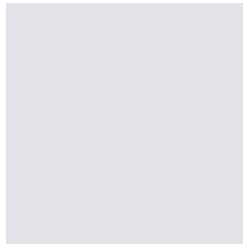
9.8333, 0.6391, 0.3294



0.7729, 0.6365, 0.3280

Previews

White Background



This preview shows how the Yxy color 76.4447, 0.3082, 0.3216 looks on a white background.

Color Contrast Check

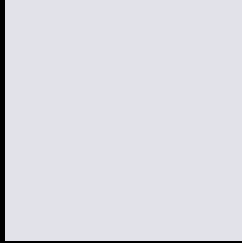
Large Text (above 18pt) WCAG AA × Fail

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 76.4447, 0.3082, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

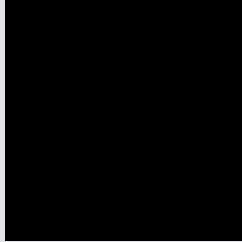
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

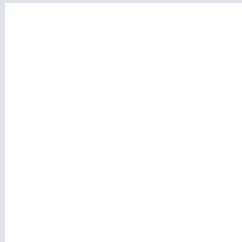
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4447, 0.3082, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 76.4447, 0.3082, 0.3216.

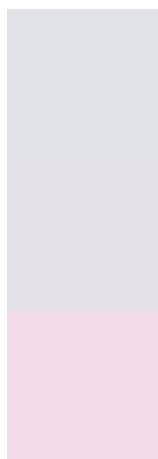


This preview shows how white text looks on a background with the Yxy color 76.4447, 0.3082, 0.3216.

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

76.4447, 0.3082, 0.3216

Protanopia

76.3916, 0.3103, 0.3206

Deuteranopia

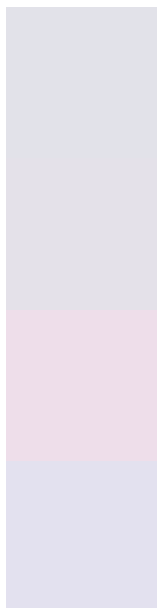
76.5394, 0.3212, 0.3148



Tritanopia

76.5921, 0.3033, 0.3113

Trichromacy



Original Color

76.4447, 0.3082, 0.3216

Protanomaly

76.2276, 0.3096, 0.3206

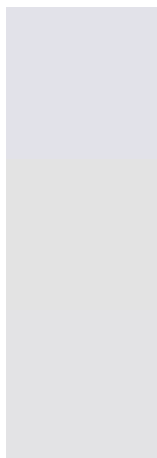
Deuteranomaly

76.3602, 0.3161, 0.3166

Tritanomaly

76.4133, 0.3052, 0.3143

Monochromacy



Original Color

76.4447, 0.3082, 0.3216

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9262, 0.3114, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4447, 0.3082, 0.3216 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(226, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 233)  
}
```

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(226, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 233) }
```

Border

The CSS property to change the border of an element to Yxy 76.4447, 0.3082, 0.3216 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(226, 226, 233) }
```

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

```
.border{ border-color:rgb(226, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4447, 0.3082, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 233) }
```

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

```
.background{ background-color: rgb(226,  
226, 233) }
```

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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