

Converting Colors

$Yxy(77.2154, 0.3080, 0.3229)$

Have a look what the booklet for
Yxy(77.2154, 0.3080, 0.3229)
contains.

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Color

Yxy(76.9901, 0.3082, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	E2E3E9
RGB	226, 227, 233
RGB Percent	89%, 89%, 91%
CMY	0.1139, 0.1097, 0.0864
CMYK	0.03, 0.03, 0.00, 0.09
HSL	231°, 14%, 90%
HSV	231°, 3%, 91%
XYZ	73.5307, 76.9901, 88.0603
YIQ	227.3850, -2.5220, 1.6540

Conversions

Conversions Part 2

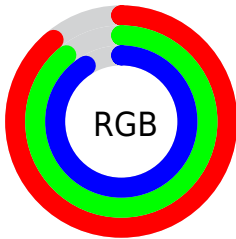
Format	Color
R _Y B	226, 227, 233
Decimal	14869481
CIE Lab	90.32, 0.74, -3.03
CIE LCh	90, 3.122, 283.665
Yxy	76.9901, 0.3082, 0.3227
Android (android.graphics.Color)	4293059561 (0xFFE2E3E9)
YUV	227.3850, 2.7682, -1.2146
Hunter-Lab	87.7440, -3.9666, 1.9171

Details

The Yxy color **76.9901, 0.3082, 0.3227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.4835, 0.3172, 0.3352**, and the grayscale version is **77.0896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3373, 0.3077, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **63.2594, 0.2921, 0.2999**, and if you desaturate by 10%, it is **92.4857, 0.3226, 0.3427**.

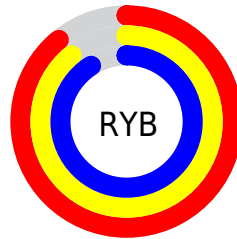
Distribution



Red (89%)

Green (89%)

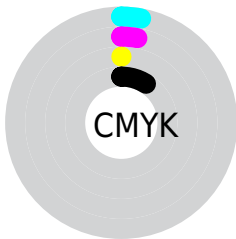
Blue (91%)



Red (89%)

Yellow (89%)

Blue (91%)

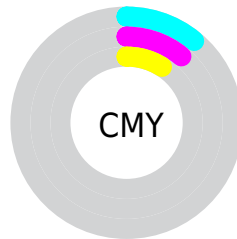


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9901, 0.3082, 0.3227 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 76.9901, 0.3082, 0.3227 by changing the saturation by 10% instead.

■ 76.9901, 0.3082,
0.3227

■ 76.9901, 0.3082,
0.3227

484.7303, 0.3103,
0.3256

■ 57.2447, 0.3077,
0.3220

129.1255, 0.3089,
0.3237

■ 41.2018, 0.3072,
0.3212

162.2844, 0.3092,
0.3241

■ 28.4768, 0.3064,
0.3202

200.6832, 0.3094,
0.3244

■ 18.6854, 0.3055,
0.3189

244.7063, 0.3096,
0.3247

■ 11.4432, 0.3042,
0.3171

294.7382, 0.3098,
0.3250

■ 6.3657, 0.3023,
0.3146

351.1632, 0.3100,

■ 3.0687, 0.2995,

0.3252

0.3107

414.3658, 0.3101,
0.3254

■ 1.1677, 0.2945,
0.3038

■ 0.0351, 0.1525,
0.1042

■ 76.9901, 0.3082,
0.3227

■ 76.9901, 0.3082,
0.3227

■ 63.2594, 0.2921,
0.2999

■ 92.4857, 0.3226,
0.3427

■ 51.2212, 0.2744,
0.2743

■ 98.6621, 0.3256,
0.3503

■ 40.8125, 0.2553,
0.2460

■ 31.9626, 0.2354,
0.2156

■ 24.5958, 0.2153,
0.1840

■ 18.6296, 0.1963,
0.1527

■ 13.9736, 0.1794,
0.1237

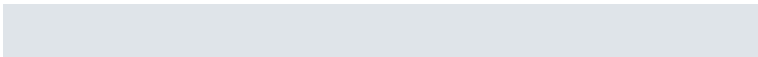
■ 10.5262, 0.1661,
0.0990

■ 8.1700, 0.1570,
0.0801

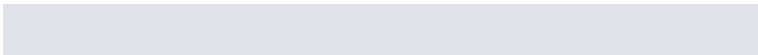
Harmonies

Analogous

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



76.9901, 0.3060, 0.3238



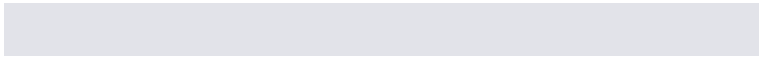
76.9901, 0.3082, 0.3227



76.9901, 0.3116, 0.3233

Triad

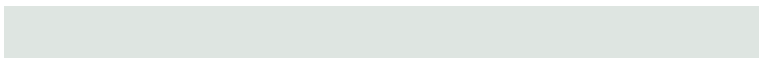
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9901, 0.3082, 0.3227



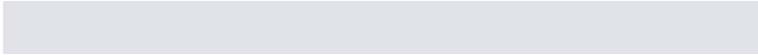
76.9901, 0.3199, 0.3316



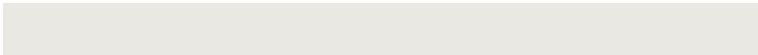
76.9901, 0.3101, 0.3328

Complementary

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



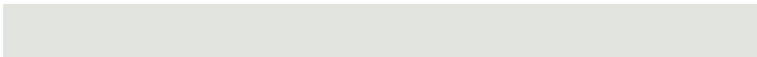
76.9901, 0.3082, 0.3227



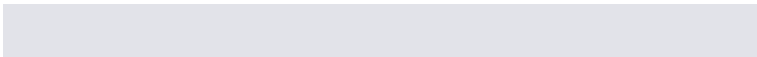
80.4835, 0.3172, 0.3352

Split Complementary

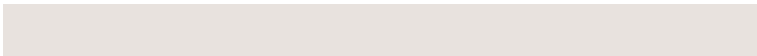
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9901, 0.3138, 0.3349



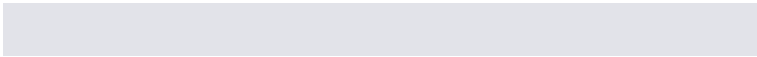
76.9901, 0.3082, 0.3227



76.9901, 0.3195, 0.3342

Square

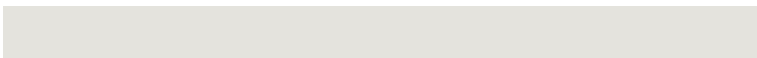
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



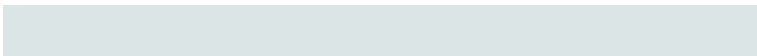
76.9901, 0.3082, 0.3227



76.9901, 0.3184, 0.3284



76.9901, 0.3172, 0.3354



76.9901, 0.3071, 0.3296

Rectangle

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



76.9901, 0.3082, 0.3227



76.9901, 0.3141, 0.3245



76.9901, 0.3172, 0.3354



76.9901, 0.3113, 0.3336

Sweetspot

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



76.9934, 0.3082, 0.3227



98.1441, 0.3112, 0.3269



80.2525, 0.3087, 0.3301



21.0264, 0.3113, 0.3270



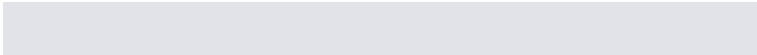
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

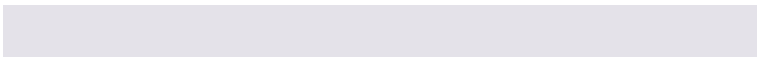
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9934, 0.3082, 0.3227



92.7077, 0.3067, 0.3205



76.8200, 0.3099, 0.3216



16.3569, 0.3055, 0.3190



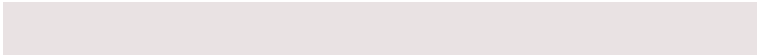
4.1276, 0.1535, 0.0725



0.4363, 0.1594, 0.0936

Inverse Universe

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



77.2423, 0.3169, 0.3279



93.1178, 0.3184, 0.3275



80.6662, 0.3155, 0.3363



16.4436, 0.3195, 0.3273



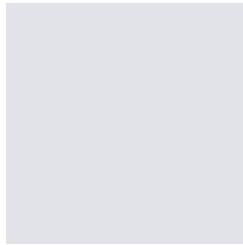
9.9095, 0.6192, 0.3184



0.7895, 0.5855, 0.2999

Previews

White Background



This preview shows how the Yxy color 76.9901, 0.3082, 0.3227 looks on a white background.

Color Contrast Check

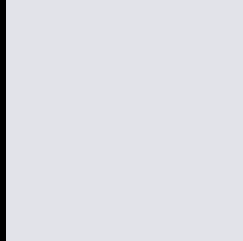
Large Text (above 18pt) WCAG AA × Fail

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 76.9901, 0.3082, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

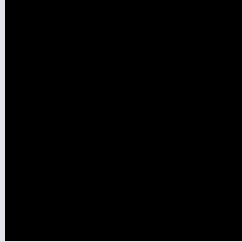
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

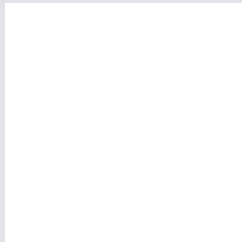
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9901, 0.3082, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 76.9901, 0.3082, 0.3227.

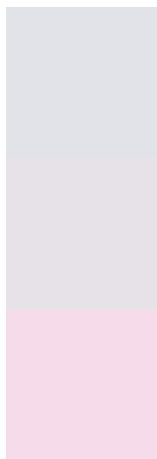


This preview shows how white text looks on a background with the Yxy color 76.9901, 0.3082, 0.3227.

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

76.9901, 0.3082, 0.3227

Protanopia

77.0419, 0.3116, 0.3227

Deuteranopia

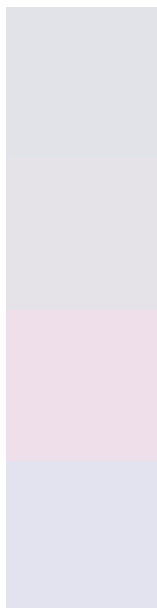
76.7197, 0.3219, 0.3148



Tritanopia

76.8155, 0.3033, 0.3103

Trichromacy



Original Color

76.9901, 0.3082, 0.3227

Protanomaly

76.8769, 0.3109, 0.3227

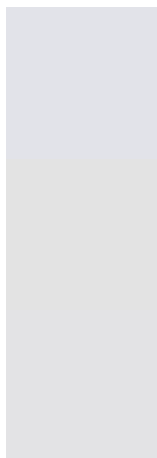
Deuteranomaly

77.0666, 0.3168, 0.3177

Tritanomaly

76.9556, 0.3051, 0.3154

Monochromacy



Original Color

76.9901, 0.3082, 0.3227

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 76.9901, 0.3082, 0.3227 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, 227, 233)` looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 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, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 233) }
```

Border

The CSS property to change the border of an element to Yxy 76.9901, 0.3082, 0.3227 is called "border". The border property can be set on classes, ids or directly on the HTML element.

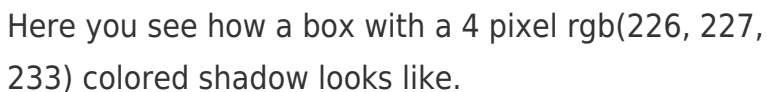
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 227, 233) }
```

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

```
.border{ border-color:rgb(226, 227, 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, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 227, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 227, 233); box-shadow:4px 4px 4px 4px rgb(226, 227, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9901, 0.3082, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 233) }
```

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

```
.background{ background-color: rgb(226,  
227, 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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