

Converting Colors

$Yxy(77.2730, 0.3083, 0.3217)$

Have a look what the booklet for
Yxy(77.2730, 0.3083, 0.3217)
contains.

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Color

Yxy(77.2096, 0.3083, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	E3E3EA
RGB	227, 227, 234
RGB Percent	89%, 89%, 92%
CMY	0.1095, 0.1099, 0.0823
CMYK	0.03, 0.03, 0.00, 0.08
HSL	241°, 14%, 90%
HSV	241°, 3%, 92%
XYZ	74.0165, 77.2096, 88.8535
YIQ	227.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

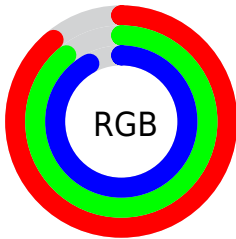
Format	Color
R_{YB}	227, 227, 234
Decimal	14935018
CIE Lab	90.42, 1.31, -3.42
CIE LCh	90, 3.660, 290.992
Yxy	77.2096, 0.3083, 0.3216
Android (android.graphics.Color)	4293125098 (0xFFE3E3EA)
YUV	227.7980, 3.0576, -0.6998
Hunter-Lab	87.8690, -3.4111, 1.5540

Details

The Yxy color **77.2096, 0.3083, 0.3216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.8792, 0.3171, 0.3363**, and the grayscale version is **77.4154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4901, 0.3078, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **61.7602, 0.2922, 0.2947**, and if you desaturate by 10%, it is **94.9098, 0.3223, 0.3451**.

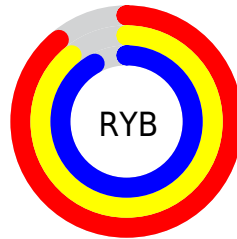
Distribution



Red (89%)

Green (89%)

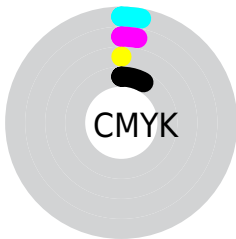
Blue (92%)



Red (89%)

Yellow (89%)

Blue (92%)

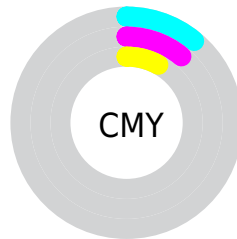


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2096, 0.3083, 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 77.2096, 0.3083, 0.3216 by changing the saturation by 10% instead.

■ 77.2096, 0.3083,
0.3216

■ 77.2096, 0.3083,
0.3216

485.4784, 0.3103,
0.3250

■ 57.4249, 0.3078,
0.3208

129.4353, 0.3090,
0.3228

■ 41.3465, 0.3073,
0.3199

162.6451, 0.3093,
0.3232

■ 28.5899, 0.3066,
0.3187

201.0988, 0.3095,
0.3236

■ 18.7708, 0.3056,
0.3172

245.1807, 0.3097,
0.3240

■ 11.5048, 0.3044,
0.3151

295.2752, 0.3099,
0.3243

■ 6.4075, 0.3026,
0.3121

351.7667, 0.3101,

■ 3.0944, 0.2998,

0.3245

0.3076

415.0396, 0.3102,
0.3248

■ 1.1812, 0.2948,
0.2997

■ 0.0463, 0.1846,
0.1124

■ 77.2096, 0.3083,
0.3216

■ 77.2096, 0.3083,
0.3216

■ 61.7602, 0.2922,
0.2947

■ 94.9098, 0.3223,
0.3451

■ 48.4621, 0.2741,
0.2645

■ 98.7213, 0.3250,
0.3493

■ 37.2228, 0.2541,
0.2312

■ 27.9397, 0.2329,
0.1959

■ 20.5008, 0.2114,
0.1602

■ 14.7833, 0.1912,
0.1268

■ 10.6492, 0.1738,
0.0982

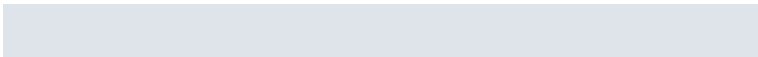
■ 7.9395, 0.1608,
0.0771

■ 6.4621, 0.1530,
0.0646

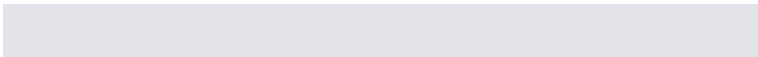
Harmonies

Analogous

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



77.2096, 0.3053, 0.3224



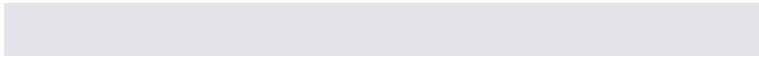
77.2096, 0.3083, 0.3216



77.2096, 0.3125, 0.3227

Triad

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



77.2096, 0.3083, 0.3216



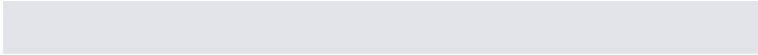
77.2096, 0.3212, 0.3329



77.2096, 0.3087, 0.3326

Complementary

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



77.2096, 0.3083, 0.3216



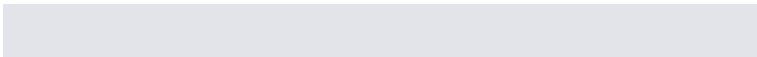
81.8792, 0.3171, 0.3363

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.



77.2096, 0.3129, 0.3354



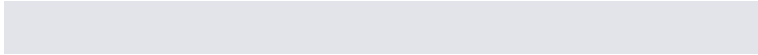
77.2096, 0.3083, 0.3216



77.2096, 0.3202, 0.3356

Square

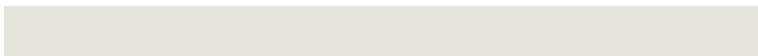
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



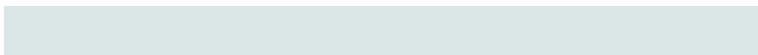
77.2096, 0.3083, 0.3216



77.2096, 0.3200, 0.3292



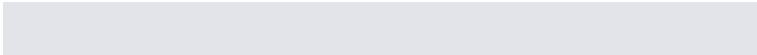
77.2096, 0.3171, 0.3365



77.2096, 0.3055, 0.3288

Rectangle

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



77.2096, 0.3083, 0.3216



77.2096, 0.3154, 0.3244



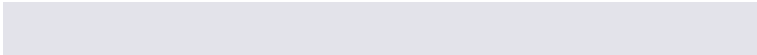
77.2096, 0.3171, 0.3365



77.2096, 0.3100, 0.3337

Sweetspot

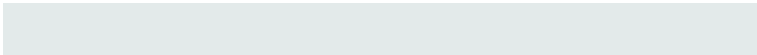
The Sweet Spot groups the original color and five complimentary colors.



77.2129, 0.3083, 0.3216



97.9093, 0.3113, 0.3266



81.1234, 0.3080, 0.3290



20.9786, 0.3113, 0.3267



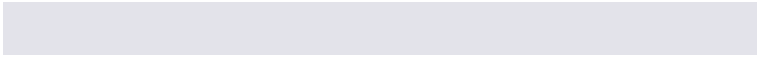
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.2129, 0.3083, 0.3216



91.8031, 0.3068, 0.3190



77.7762, 0.3106, 0.3217



16.1680, 0.3057, 0.3172



3.3527, 0.1504, 0.0602



0.2664, 0.1515, 0.0608

Inverse Universe

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



78.3604, 0.3131, 0.3218



93.6557, 0.3132, 0.3194



81.3047, 0.3147, 0.3363



16.5565, 0.3133, 0.3176



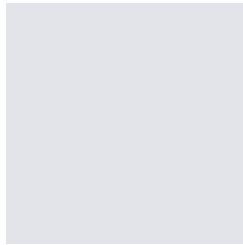
13.0768, 0.3240, 0.1559



1.0279, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 77.2096, 0.3083, 0.3216 looks on a white background.

Color Contrast Check

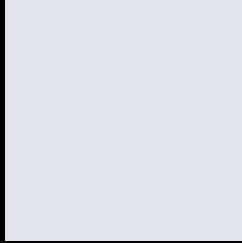
Large Text (above 18pt) WCAG AA × Fail

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 77.2096, 0.3083, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

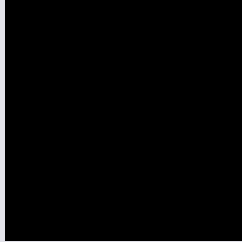
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

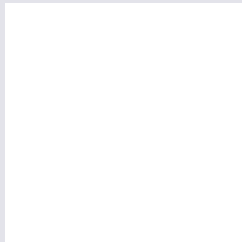
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2096, 0.3083, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 77.2096, 0.3083, 0.3216.

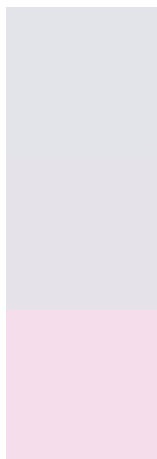


This preview shows how white text looks on a background with the Yxy color 77.2096, 0.3083, 0.3216.

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

77.2096, 0.3083, 0.3216

Protanopia

77.1562, 0.3103, 0.3206

Deuteranopia

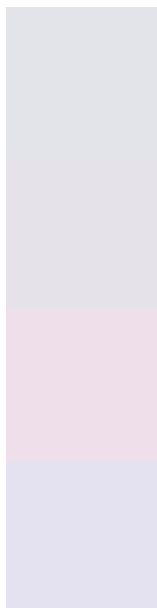
77.3039, 0.3212, 0.3149



Tritanopia

77.5218, 0.3040, 0.3114

Trichromacy



Original Color

77.2096, 0.3083, 0.3216

Protanomaly

76.9912, 0.3097, 0.3206

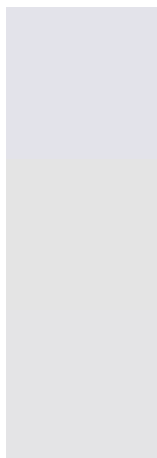
Deuteranomaly

77.1242, 0.3161, 0.3167

Tritanomaly

77.1780, 0.3052, 0.3144

Monochromacy



Original Color

77.2096, 0.3083, 0.3216

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6940, 0.3114, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2096, 0.3083, 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(227, 227, 234)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 234)  
}
```

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(227, 227, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 234) }
```

Border

The CSS property to change the border of an element to Yxy 77.2096, 0.3083, 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(227, 227, 234) }
```

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

```
.border{ border-color:rgb(227, 227, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 227, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 234);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2096, 0.3083, 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(227, 227, 234) }
```

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

```
.background{ background-color: rgb(227,  
227, 234) }
```

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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