

Converting Colors

$Yxy(77.8405, 0.3076, 0.3217)$

Have a look what the booklet for
Yxy(77.8405, 0.3076, 0.3217)
contains.

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Color

Yxy(77.8159, 0.3076, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	E3E4EB
RGB	227, 228, 235
RGB Percent	89%, 89%, 92%
CMY	0.1097, 0.1059, 0.0783
CMYK	0.03, 0.03, 0.00, 0.08
HSL	233°, 17%, 91%
HSV	233°, 3%, 92%
XYZ	74.4284, 77.8159, 89.7206
YIQ	228.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

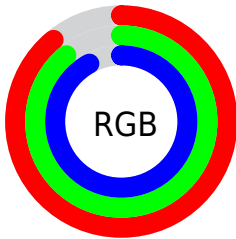
Format	Color
R_{YB}	227, 228, 235
Decimal	14935275
CIE Lab	90.70, 0.97, -3.54
CIE LCh	91, 3.673, 285.235
Yxy	77.8159, 0.3076, 0.3216
Android (android.graphics.Color)	4293125355 (0xFFE3E4EB)
YUV	228.4990, 3.2050, -1.3146
Hunter-Lab	88.2133, -3.7672, 1.4463

Details

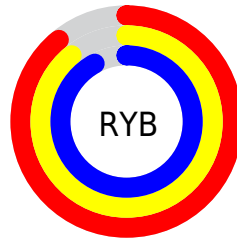
The Yxy color **77.8159, 0.3076, 0.3216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.1044, 0.3178, 0.3363**, and the grayscale version is **77.9515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9125, 0.3069, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **63.5480, 0.2914, 0.2979**, and if you desaturate by 10%, it is **93.9733, 0.3220, 0.3424**.

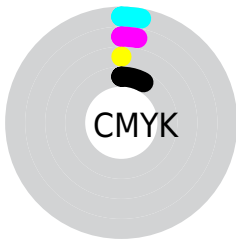
Distribution



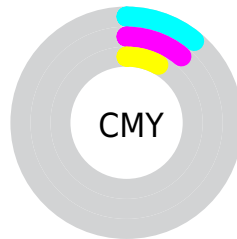
- Red (89%)
- Green (89%)
- Blue (92%)



- 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 77.8159, 0.3076, 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 77.8159, 0.3076, 0.3216 by changing the saturation by 10% instead.

■ 77.8159, 0.3076,
0.3216

■ 77.8159, 0.3076,
0.3216

487.5414, 0.3099,
0.3250

■ 57.9228, 0.3071,
0.3208

130.2906, 0.3084,
0.3228

■ 41.7466, 0.3064,
0.3199

163.6409, 0.3087,
0.3232

■ 28.9029, 0.3056,
0.3187

202.2457, 0.3090,
0.3236

■ 19.0074, 0.3045,
0.3172

246.4894, 0.3092,
0.3240

■ 11.6756, 0.3031,
0.3151

296.7565, 0.3094,
0.3243

■ 6.5232, 0.3010,
0.3122

353.4312, 0.3096,

■ 3.1657, 0.2978,

0.3245

0.3077

416.8981, 0.3098,
0.3248

■ 1.2189, 0.2922,
0.2999

■ 0.0770, 0.1915,
0.1524

■ 77.8159, 0.3076,
0.3216

■ 77.8159, 0.3076,
0.3216

■ 63.5480, 0.2914,
0.2979

■ 93.9733, 0.3220,
0.3424

■ 51.0907, 0.2735,
0.2712

■ 98.7802, 0.3244,
0.3483

■ 40.3744, 0.2541,
0.2418

■ 31.3212, 0.2338,
0.2102

■ 23.8472, 0.2135,
0.1777

■ 17.8610, 0.1942,
0.1459

■ 13.2619, 0.1773,
0.1168

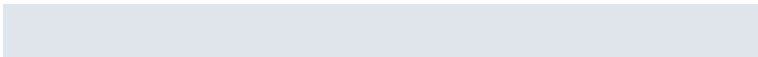
■ 9.9364, 0.1642,
0.0927

■ 7.7523, 0.1555,
0.0752

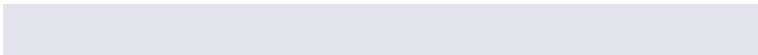
Harmonies

Analogous

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



77.8159, 0.3050, 0.3228



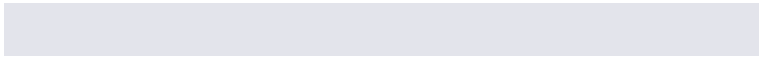
77.8159, 0.3076, 0.3216



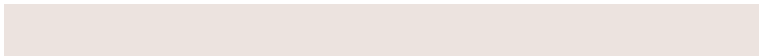
77.8159, 0.3116, 0.3224

Triad

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



77.8159, 0.3076, 0.3216



77.8159, 0.3212, 0.3323



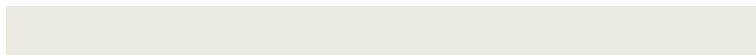
77.8159, 0.3094, 0.3332

Complementary

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



77.8159, 0.3076, 0.3216



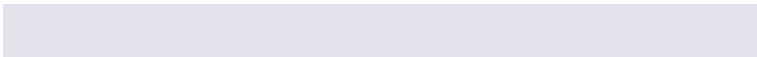
82.1044, 0.3178, 0.3363

Split Complementary

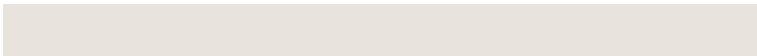
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8159, 0.3138, 0.3358



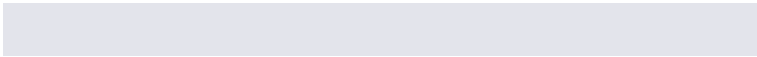
77.8159, 0.3076, 0.3216



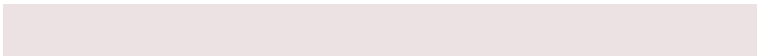
77.8159, 0.3206, 0.3352

Square

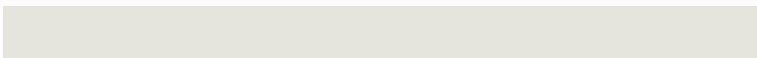
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8159, 0.3076, 0.3216



77.8159, 0.3195, 0.3285



77.8159, 0.3178, 0.3365



77.8159, 0.3060, 0.3295

Rectangle

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



77.8159, 0.3076, 0.3216



77.8159, 0.3146, 0.3239



77.8159, 0.3178, 0.3365



77.8159, 0.3108, 0.3343

Sweetspot

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



77.8192, 0.3076, 0.3216



98.0963, 0.3112, 0.3269



81.7121, 0.3081, 0.3301



21.0167, 0.3113, 0.3270



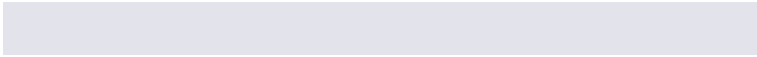
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.8192, 0.3076, 0.3216



92.5232, 0.3067, 0.3202



77.7732, 0.3096, 0.3206



16.3183, 0.3056, 0.3186



3.9023, 0.1525, 0.0690



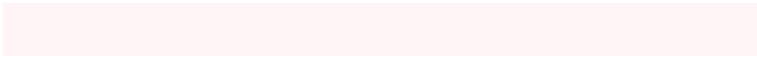
0.4017, 0.1576, 0.0873

Inverse Universe

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



78.2249, 0.3177, 0.3280



93.0992, 0.3186, 0.3278



82.1578, 0.3157, 0.3373



16.4397, 0.3197, 0.3276



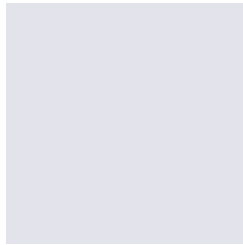
9.8867, 0.6249, 0.3216



0.7860, 0.5954, 0.3053

Previews

White Background



This preview shows how the Yxy color 77.8159, 0.3076, 0.3216 looks on a white background.

Color Contrast Check

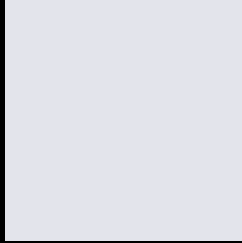
Large Text (above 18pt) WCAG AA × Fail

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 77.8159, 0.3076, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

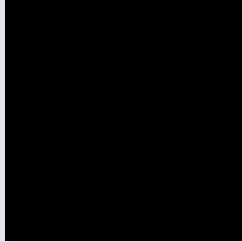
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

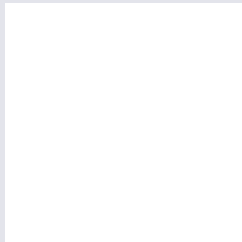
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8159, 0.3076, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 77.8159, 0.3076, 0.3216.

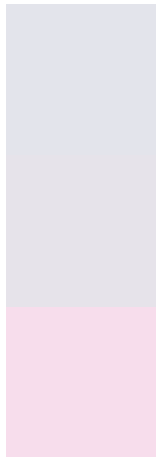


This preview shows how white text looks on a background with the Yxy color 77.8159, 0.3076, 0.3216.

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

77.8159, 0.3076, 0.3216

Protanopia

77.7017, 0.3103, 0.3217

Deuteranopia

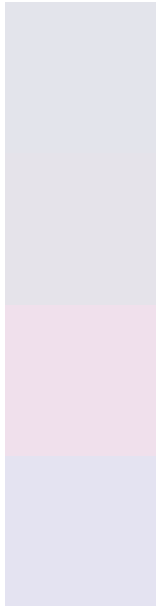
77.5432, 0.3212, 0.3139



Tritanopia

78.1278, 0.3034, 0.3114

Trichromacy



Original Color

77.8159, 0.3076, 0.3216

Protanomaly

77.5367, 0.3096, 0.3217

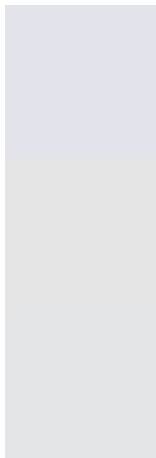
Deuteranomaly

77.8927, 0.3161, 0.3167

Tritanomaly

77.7830, 0.3045, 0.3144

Monochromacy



Original Color

77.8159, 0.3076, 0.3216

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3021, 0.3108, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8159, 0.3076, 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, 228, 235)` looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 235)  
}
```

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, 228, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.8159, 0.3076, 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, 228, 235) }
```

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

```
.border{ border-color:rgb(227, 228, 235) }
```

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

Here you see how a box with a 4 pixel rgb(227, 228, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 235);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8159, 0.3076, 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, 228, 235) }
```

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

```
.background{ background-color: rgb(227,  
228, 235) }
```

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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