

Converting Colors

$Y_{xy}(77.7284, 0.3045, 0.3220)$

Have a look what the booklet for
Yxy(77.7284, 0.3045, 0.3220)
contains.

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Color

Yxy(77.7827, 0.3043, 0.3216)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | DFE5EC |
| RGB | 223, 229, 236 |
| RGB Percent | 87%, 90%, 93% |
| CMY | 0.1253, 0.1020, 0.0746 |
| CMYK | 0.05, 0.03, 0.00, 0.07 |
| HSL | 212°, 25%, 90% |
| HSV | 212°, 5%, 93% |
| XYZ | 73.5985, 77.7827, 90.4804 |
| YIQ | 228.0040, -5.8230, 0.9050 |

Conversions

Conversions Part 2

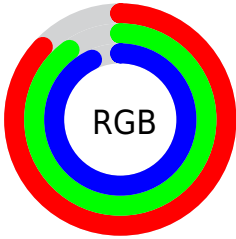
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 223, 227, 236 |
| Decimal | 14673388 |
| CIE Lab | 90.68, -0.69, -4.10 |
| CIE LCh | 91, 4.156, 260.462 |
| Yxy | 77.7827, 0.3043, 0.3216 |
| Android (android.graphics.Color) | 4292863468 (0xFFDFE5EC) |
| YUV | 228.0040, 3.9420, -4.3885 |
| Hunter-Lab | 88.1945, -5.3818, 0.9094 |

Details

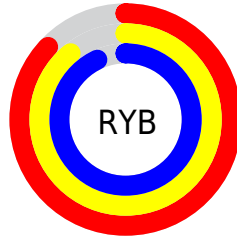
The Yxy color **77.7827, 0.3043, 0.3216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.7729, 0.3213, 0.3363**, and the grayscale version is **77.5655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8922, 0.3026, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **67.4979, 0.2884, 0.3069**, and if you desaturate by 10%, it is **89.1144, 0.3194, 0.3347**.

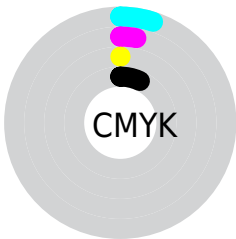
Distribution



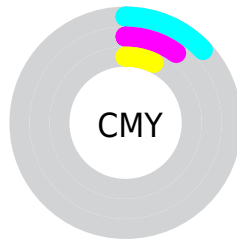
- Red (87%)
- Green (90%)
- Blue (93%)



- Red (87%)
- Yellow (89%)
- Blue (93%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7827, 0.3043, 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 77.7827, 0.3043, 0.3216 by changing the saturation by 10% instead.

■ 77.7827, 0.3043,
0.3216

■ 77.7827, 0.3043,
0.3216

487.4285, 0.3081,
0.3250

■ 57.8955, 0.3034,
0.3208

130.2438, 0.3056,
0.3228

■ 41.7246, 0.3024,
0.3199

163.5864, 0.3061,
0.3232

■ 28.8857, 0.3010,
0.3187

202.1829, 0.3066,
0.3236

■ 18.9944, 0.2993,
0.3171

246.4178, 0.3070,
0.3240

■ 11.6662, 0.2969,
0.3151

296.6754, 0.3073,
0.3243

■ 6.5168, 0.2936,
0.3121

353.3402, 0.3076,

■ 3.1618, 0.2884,

0.3245

0.3074

416.7964, 0.3079,
0.3248

■ 1.2168, 0.2795,
0.2994

■ 0.0754, 0.1099,
0.1511

■ 77.7827, 0.3043,
0.3216

■ 77.7827, 0.3043,
0.3216

■ 67.4979, 0.2884,
0.3069

■ 89.1144, 0.3194,
0.3347

■ 58.2176, 0.2719,
0.2905

■ 98.5083, 0.3239,
0.3469

■ 49.9108, 0.2551,
0.2725

■ 98.8354, 0.3238,
0.3473

■ 42.5407, 0.2384,
0.2531

■ 36.0682, 0.2224,
0.2326

■ 30.4507, 0.2075,
0.2115

■ 25.6411, 0.1945,
0.1903

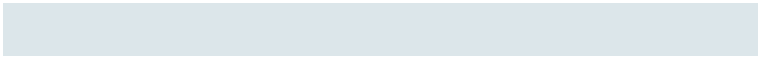
■ 21.5862, 0.1839,
0.1696

■ 18.2231, 0.1758,
0.1502

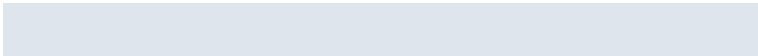
Harmonies

Analogous

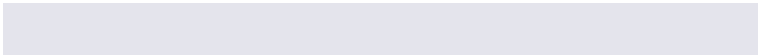
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7827, 0.3032, 0.3246



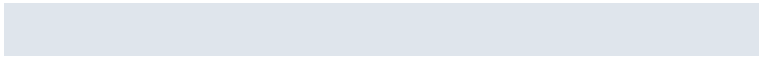
77.7827, 0.3043, 0.3216



77.7827, 0.3076, 0.3206

Triad

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



77.7827, 0.3043, 0.3216



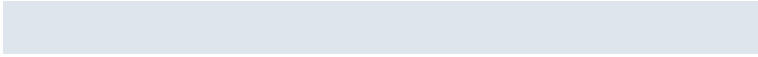
77.7827, 0.3209, 0.3292



77.7827, 0.3130, 0.3363

Complementary

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



77.7827, 0.3043, 0.3216



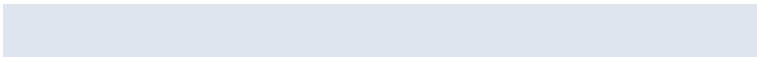
79.7729, 0.3213, 0.3363

Split Complementary

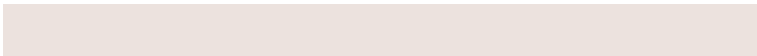
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7827, 0.3178, 0.3375



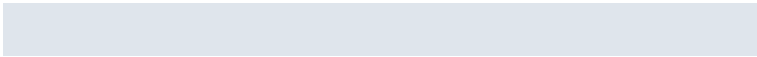
77.7827, 0.3043, 0.3216



77.7827, 0.3223, 0.3333

Square

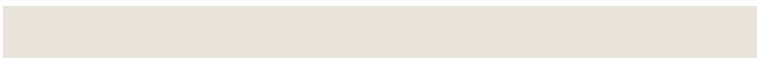
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



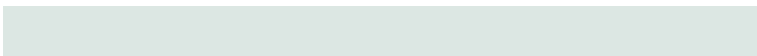
77.7827, 0.3043, 0.3216



77.7827, 0.3172, 0.3250



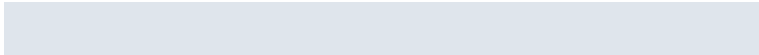
77.7827, 0.3212, 0.3364



77.7827, 0.3082, 0.3331

Rectangle

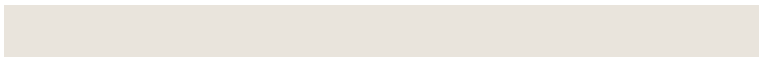
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7827, 0.3043, 0.3216



77.7827, 0.3107, 0.3212



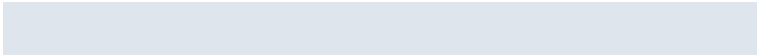
77.7827, 0.3212, 0.3364



77.7827, 0.3147, 0.3370

Sweetspot

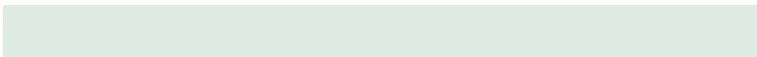
The Sweet Spot groups the original color and five complimentary colors.



77.7860, 0.3043, 0.3216



97.3006, 0.3097, 0.3263



81.3883, 0.3078, 0.3354



20.8547, 0.3098, 0.3265



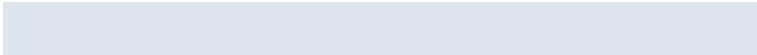
0.0000, 0.0000, 0.0000



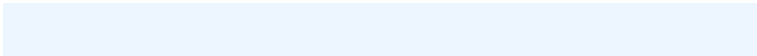
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7860, 0.3043, 0.3216



90.7727, 0.3019, 0.3194



74.6162, 0.3047, 0.3153



16.1138, 0.3010, 0.3187



9.5654, 0.1736, 0.1449



0.9416, 0.1809, 0.1712

Inverse Universe

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



76.2852, 0.3179, 0.3228



88.5298, 0.3195, 0.3210



83.0704, 0.3205, 0.3424



15.6852, 0.3201, 0.3204



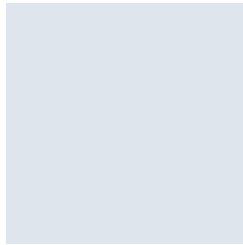
10.4584, 0.5126, 0.2597



0.8405, 0.4792, 0.2414

Previews

White Background



This preview shows how the Yxy color 77.7827, 0.3043, 0.3216 looks on a white background.

Color Contrast Check

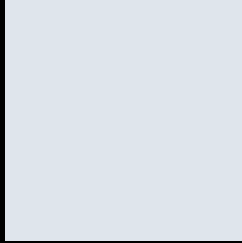
Large Text (above 18pt) WCAG AA × Fail

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 77.7827, 0.3043, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

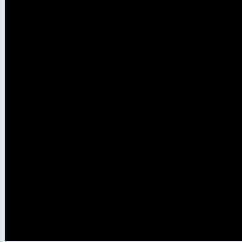
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

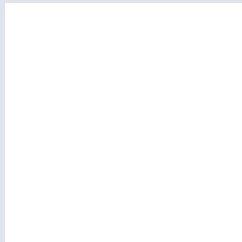
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7827, 0.3043, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 77.7827, 0.3043, 0.3216.

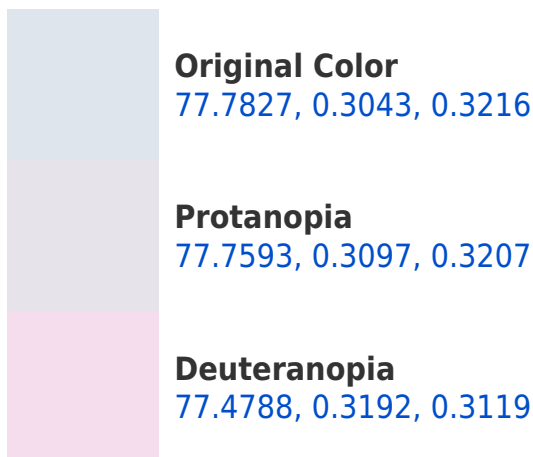


This preview shows how white text looks on a background with the Yxy color 77.7827, 0.3043, 0.3216.

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

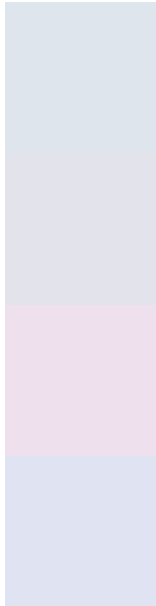




Tritanopia

77.5995, 0.2995, 0.3092

Trichromacy



Original Color

77.7827, 0.3043, 0.3216

Protanomaly

77.8159, 0.3076, 0.3216

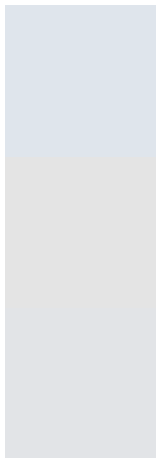
Deuteranomaly

77.6029, 0.3140, 0.3157

Tritanomaly

77.7449, 0.3012, 0.3143

Monochromacy



Original Color

77.7827, 0.3043, 0.3216

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.4251, 0.3094, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7827, 0.3043, 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(223, 229, 236)` looks like.

```
.text, #text, p{  
    color:rgb(223, 229, 236)  
}
```

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(223, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 229, 236) }
```

Border

The CSS property to change the border of an element to Yxy 77.7827, 0.3043, 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(223, 229, 236) }
```

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

```
.border{ border-color:rgb(223, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 229,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7827, 0.3043, 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(223, 229, 236) }
```

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

```
.background{ background-color: rgb(223,  
229, 236) }
```

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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