

Converting Colors

$Yxy(77.0709, 0.3070, 0.3241)$

Have a look what the booklet for
Yxy(77.0709, 0.3070, 0.3241)
contains.

Yxy(77.1603, 0.3075, 0.3248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1603, 0.3075, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	E0E4E8
RGB	224, 228, 232
RGB Percent	88%, 89%, 91%
CMY	0.1215, 0.1059, 0.0904
CMYK	0.03, 0.02, 0.00, 0.09
HSL	210°, 15%, 89%
HSV	210°, 3%, 91%
XYZ	73.0505, 77.1603, 87.3517
YIQ	227.2600, -3.6680, 0.3960

Conversions

Conversions Part 2

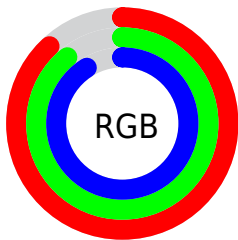
Format	Color
R _Y B	224, 227, 232
Decimal	14738664
CIE Lab	90.40, -0.60, -2.40
CIE LCh	90, 2.472, 255.921
Yxy	77.1603, 0.3075, 0.3248
Android (android.graphics.Color)	4292928744 (0xFFE0E4E8)
YUV	227.2600, 2.3368, -2.8590
Hunter-Lab	87.8409, -5.2771, 2.5289

Details

The Yxy color **77.1603, 0.3075, 0.3248** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.0084, 0.3180, 0.3332**, and the grayscale version is **77.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4567, 0.3067, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **67.5525, 0.2918, 0.3115**, and if you desaturate by 10%, it is **87.7062, 0.3225, 0.3366**.

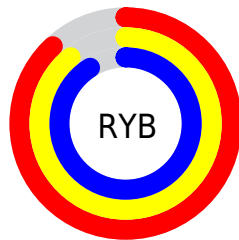
Distribution



Red (88%)

Green (89%)

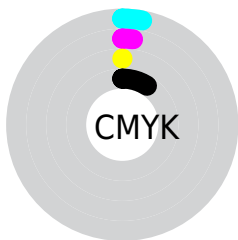
Blue (91%)



Red (88%)

Yellow (89%)

Blue (91%)

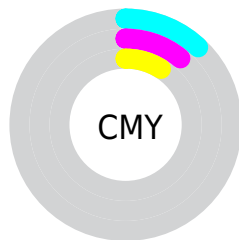


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (12%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1603, 0.3075, 0.3248 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 77.1603, 0.3075, 0.3248 by changing the saturation by 10% instead.

■ 77.1603, 0.3075,
0.3248

■ 77.1603, 0.3075,
0.3248

485.3104, 0.3099,
0.3267

■ 57.3844, 0.3070,
0.3244

129.3657, 0.3083,
0.3255

■ 41.3140, 0.3063,
0.3238

162.5641, 0.3086,
0.3257

■ 28.5645, 0.3055,
0.3231

201.0054, 0.3089,
0.3260

■ 18.7516, 0.3044,
0.3223

245.0741, 0.3092,
0.3262

■ 11.4909, 0.3029,
0.3210

295.1546, 0.3094,
0.3263

■ 6.3981, 0.3008,
0.3193

351.6312, 0.3096,

■ 3.0886, 0.2975,

0.3265

0.3167

414.8883, 0.3097,
0.3266

■ 1.1782, 0.2918,
0.3120

■ 0.0438, 0.0941,
0.1531

■ 77.1603, 0.3075,
0.3248

■ 77.1603, 0.3075,
0.3248

■ 67.5525, 0.2918,
0.3115

■ 87.7062, 0.3225,
0.3366

■ 58.8443, 0.2756,
0.2968

■ 96.1645, 0.3266,
0.3476

■ 51.0087, 0.2591,
0.2806

■ 98.6036, 0.3262,
0.3513

■ 44.0138, 0.2428,
0.2631

■ 37.8248, 0.2272,
0.2444

■ 32.4046, 0.2127,
0.2251

■ 27.7118, 0.1998,
0.2054

■ 23.7001, 0.1892,
0.1860

■ 20.3146, 0.1809,
0.1674

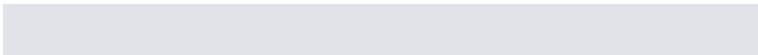
Harmonies

Analogous

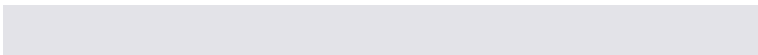
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1603, 0.3071, 0.3267



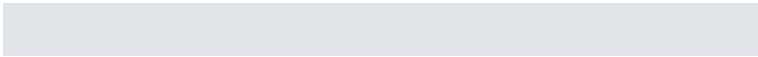
77.1603, 0.3075, 0.3248



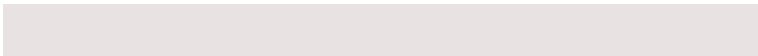
77.1603, 0.3093, 0.3240

Triad

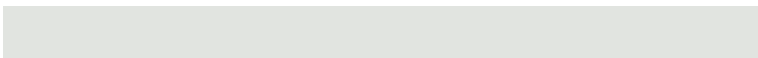
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1603, 0.3075, 0.3248



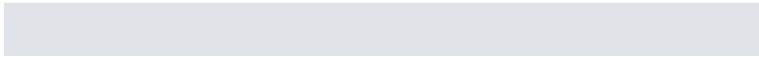
77.1603, 0.3173, 0.3287



77.1603, 0.3134, 0.3336

Complementary

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



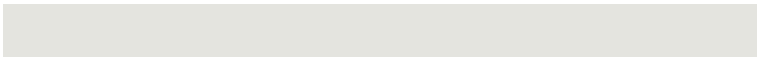
77.1603, 0.3075, 0.3248



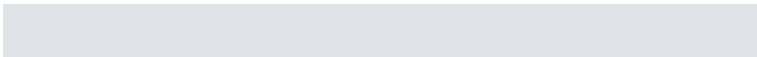
78.0084, 0.3180, 0.3332

Split Complementary

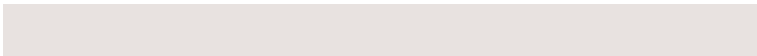
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1603, 0.3161, 0.3341



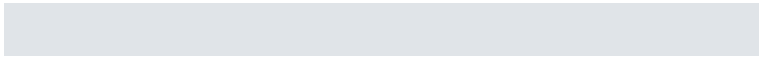
77.1603, 0.3075, 0.3248



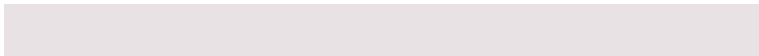
77.1603, 0.3184, 0.3313

Square

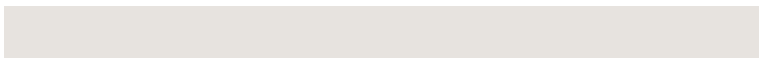
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1603, 0.3075, 0.3248



77.1603, 0.3150, 0.3263



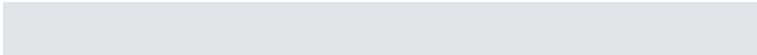
77.1603, 0.3180, 0.3332



77.1603, 0.3105, 0.3318

Rectangle

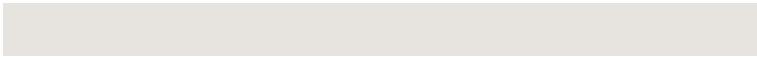
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



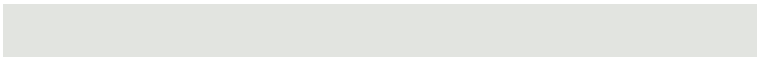
77.1603, 0.3075, 0.3248



77.1603, 0.3111, 0.3242



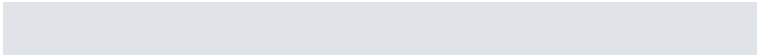
77.1603, 0.3180, 0.3332



77.1603, 0.3143, 0.3339

Sweetspot

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



77.1636, 0.3075, 0.3248



98.7108, 0.3112, 0.3278



79.1331, 0.3099, 0.3333



21.1418, 0.3113, 0.3278



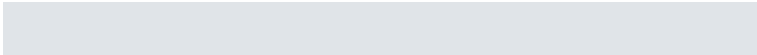
0.0000, 0.0000, 0.0000



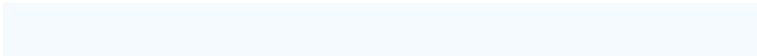
21.4041, 0.3127, 0.3290

Same Dimension

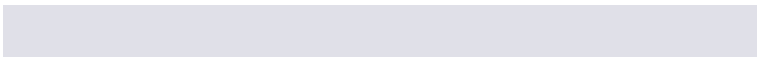
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1636, 0.3075, 0.3248



94.9136, 0.3066, 0.3240



75.0741, 0.3076, 0.3207



16.0478, 0.3055, 0.3232



10.4588, 0.1774, 0.1586



0.9587, 0.1847, 0.1850

Inverse Universe

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



76.0771, 0.3157, 0.3248



93.3405, 0.3162, 0.3241



80.1446, 0.3177, 0.3372



15.7352, 0.3169, 0.3232



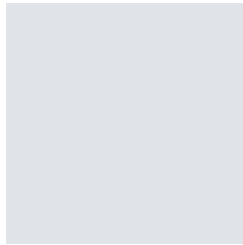
10.2535, 0.4949, 0.2500



0.7765, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 77.1603, 0.3075, 0.3248 looks on a white background.

Color Contrast Check

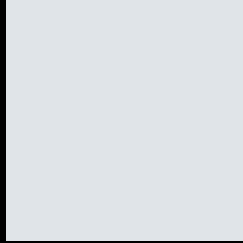
Large Text (above 18pt) WCAG AA × Fail

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 77.1603, 0.3075, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

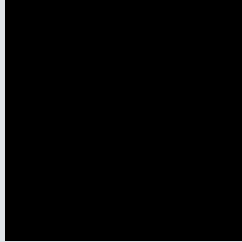
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

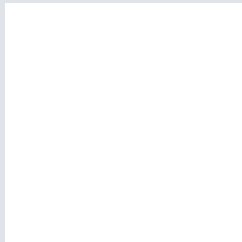
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1603, 0.3075, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 77.1603, 0.3075, 0.3248.

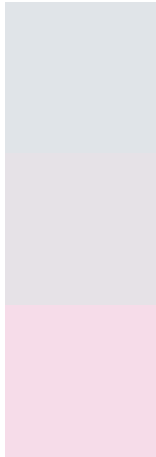


This preview shows how white text looks on a background with the Yxy color 77.1603, 0.3075, 0.3248.

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

77.1603, 0.3075, 0.3248

Protanopia

76.9852, 0.3123, 0.3238

Deuteranopia

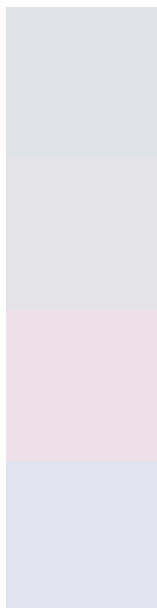
76.6624, 0.3226, 0.3158



Tritanopia

77.0931, 0.3014, 0.3102

Trichromacy



Original Color

77.1603, 0.3075, 0.3248

Protanomaly

77.2017, 0.3108, 0.3248

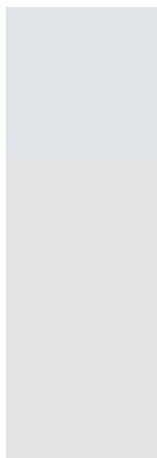
Deuteranomaly

76.8357, 0.3167, 0.3187

Tritanomaly

77.2370, 0.3032, 0.3154

Monochromacy



Original Color

77.1603, 0.3075, 0.3248

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7641, 0.3107, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1603, 0.3075, 0.3248 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(224, 228, 232)` looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 232)  
}
```

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(224, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 232) }
```

Border

The CSS property to change the border of an element to Yxy 77.1603, 0.3075, 0.3248 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(224, 228, 232) }
```

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

```
.border{ border-color:rgb(224, 228, 232) }
```

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

Here you see how a box with a 4 pixel rgb(224, 228, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1603, 0.3075, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 232) }
```

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

```
.background{ background-color: rgb(224,  
228, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor