

Converting Colors

$Yxy(77.9387, 0.3086, 0.3241)$

Have a look what the booklet for
Yxy(77.9387, 0.3086, 0.3241)
contains.

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Color

Yxy(77.7009, 0.3089, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	E3E4E9
RGB	227, 228, 233
RGB Percent	89%, 89%, 91%
CMY	0.1095, 0.1059, 0.0862
CMYK	0.03, 0.02, 0.00, 0.09
HSL	231°, 12%, 90%
HSV	231°, 3%, 91%
XYZ	74.1483, 77.7009, 88.1906
YIQ	228.2710, -2.2010, 1.3430

Conversions

Conversions Part 2

Format	Color
R_{YB}	227, 228, 233
Decimal	14935273
CIE Lab	90.64, 0.61, -2.56
CIE LCh	91, 2.635, 283.454
Yxy	77.7009, 0.3089, 0.3237
Android (android.graphics.Color)	4293125353 (0xFFE3E4E9)
YUV	228.2710, 2.3314, -1.1147
Hunter-Lab	88.1481, -4.1088, 2.3851

Details

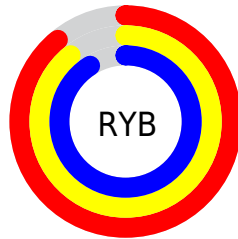
The Yxy color `77.7009, 0.3089, 0.3237` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.6491, 0.3165, 0.3342`, and the grayscale version is `77.7851, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.8321, 0.3085, 0.3235` is the 20% darker color. If you saturate the color by 10%, you get `63.9216, 0.2929, 0.3012`, and if you desaturate by 10%, it is `93.2391, 0.3232, 0.3435`.

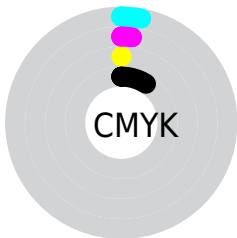
Distribution



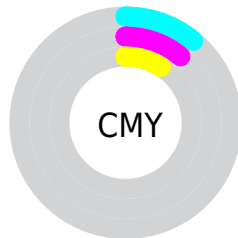
- Red (89%)
- Green (89%)
- Blue (91%)



- Red (89%)
- Yellow (89%)
- Blue (91%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7009, 0.3089, 0.3237 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 77.7009, 0.3089, 0.3237 by changing the saturation by 10% instead.

■ 77.7009, 0.3089,
0.3237

■ 77.7009, 0.3089,
0.3237

487.1505, 0.3107,
0.3261

■ 57.8283, 0.3085,
0.3232

130.1284, 0.3095,
0.3245

■ 41.6706, 0.3080,
0.3225

163.4521, 0.3097,
0.3249

■ 28.8435, 0.3074,
0.3216

202.0283, 0.3099,
0.3251

■ 18.9624, 0.3066,
0.3205

246.2414, 0.3101,
0.3254

■ 11.6431, 0.3055,
0.3190

296.4757, 0.3103,
0.3256

■ 6.5012, 0.3040,
0.3169

353.1158, 0.3104,

■ 3.1522, 0.3016,

0.3258

0.3136

416.5459, 0.3105,
0.3260

■ 1.2117, 0.2974,
0.3080

■ 0.0712, 0.2013,
0.1734

■ 77.7009, 0.3089,
0.3237

■ 77.7009, 0.3089,
0.3237

■ 63.9216, 0.2929,
0.3012

■ 93.2391, 0.3232,
0.3435

■ 51.8294, 0.2753,
0.2758

■ 98.6641, 0.3256,
0.3503

■ 41.3619, 0.2563,
0.2477

■ 32.4492, 0.2364,
0.2174

■ 25.0165, 0.2163,
0.1860

■ 18.9822, 0.1972,
0.1547

■ 14.2572, 0.1803,
0.1256

■ 10.7412, 0.1668,
0.1006

■ 8.3189, 0.1574,
0.0813

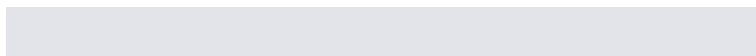
Harmonies

Analogous

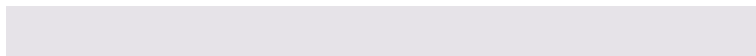
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7009, 0.3071, 0.3247



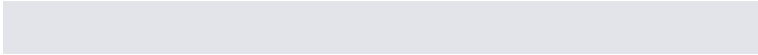
77.7009, 0.3089, 0.3237



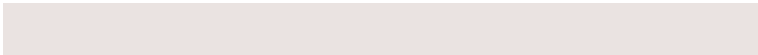
77.7009, 0.3118, 0.3242

Triad

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



77.7009, 0.3089, 0.3237



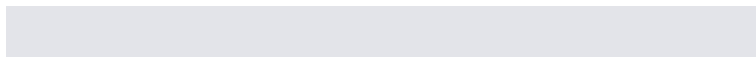
77.7009, 0.3187, 0.3312



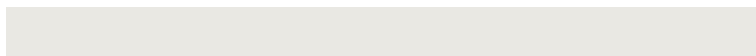
77.7009, 0.3105, 0.3322

Complementary

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



77.7009, 0.3089, 0.3237



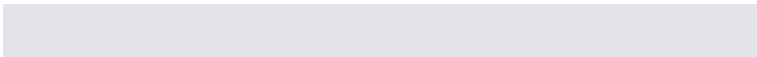
80.6491, 0.3165, 0.3342

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.



77.7009, 0.3137, 0.3339



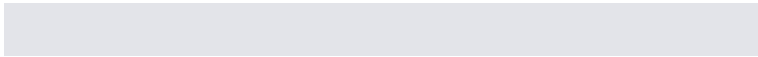
77.7009, 0.3089, 0.3237



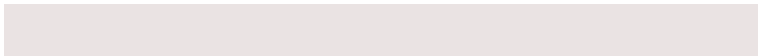
77.7009, 0.3184, 0.3334

Square

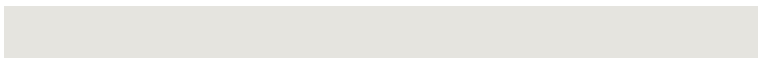
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



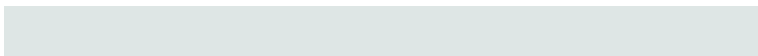
77.7009, 0.3089, 0.3237



77.7009, 0.3175, 0.3285



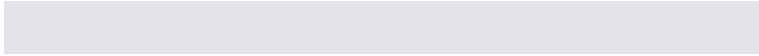
77.7009, 0.3165, 0.3344



77.7009, 0.3080, 0.3296

Rectangle

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



77.7009, 0.3089, 0.3237



77.7009, 0.3139, 0.3252



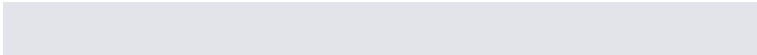
77.7009, 0.3165, 0.3344



77.7009, 0.3116, 0.3329

Sweetspot

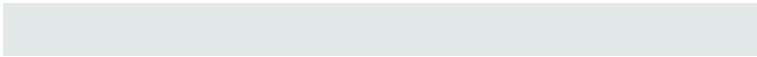
The Sweet Spot groups the original color and five complimentary colors.



77.7042, 0.3089, 0.3237



98.1493, 0.3112, 0.3269



80.4568, 0.3093, 0.3300



21.0275, 0.3113, 0.3270



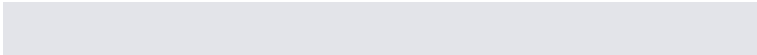
0.0000, 0.0000, 0.0000



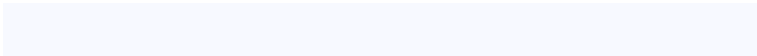
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7042, 0.3089, 0.3237



94.5133, 0.3082, 0.3227



77.5293, 0.3103, 0.3228



16.6593, 0.3070, 0.3211



4.1549, 0.1536, 0.0729



0.4400, 0.1595, 0.0943

Inverse Universe

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



77.9050, 0.3162, 0.3281



94.8055, 0.3169, 0.3279



80.8311, 0.3151, 0.3352



16.7253, 0.3180, 0.3276



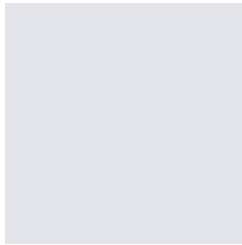
9.9122, 0.6185, 0.3181



0.7898, 0.5845, 0.2993

Previews

White Background



This preview shows how the Yxy color 77.7009, 0.3089, 0.3237 looks on a white background.

Color Contrast Check

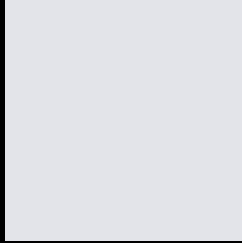
Large Text (above 18pt) WCAG AA × Fail

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 77.7009, 0.3089, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

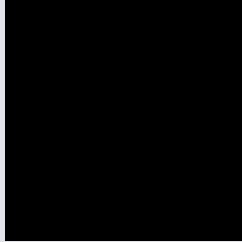
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

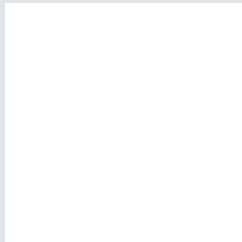
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7009, 0.3089, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 77.7009, 0.3089, 0.3237.

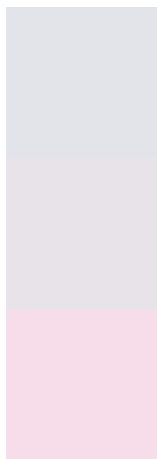


This preview shows how white text looks on a background with the Yxy color 77.7009, 0.3089, 0.3237.

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

77.7009, 0.3089, 0.3237

Protanopia

77.7533, 0.3123, 0.3238

Deuteranopia

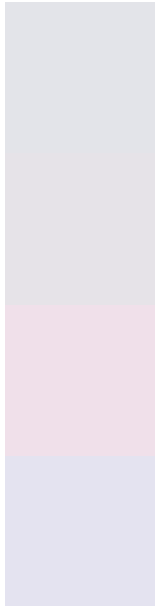
77.4276, 0.3226, 0.3159



Tritanopia

77.5824, 0.3034, 0.3103

Trichromacy



Original Color

77.7009, 0.3089, 0.3237

Protanomaly

77.5874, 0.3116, 0.3238

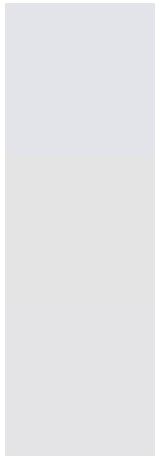
Deuteranomaly

77.7771, 0.3174, 0.3188

Tritanomaly

77.7234, 0.3052, 0.3154

Monochromacy



Original Color

77.7009, 0.3089, 0.3237

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 77.7009, 0.3089, 0.3237 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 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(227, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 233) }
```

Border

The CSS property to change the border of an element to Yxy 77.7009, 0.3089, 0.3237 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, 233) }
```

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

```
.border{ border-color:rgb(227, 228, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7009, 0.3089, 0.3237 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, 233) }
```

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

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