

Converting Colors

$Yxy(77.0010, 0.3097, 0.3242)$

Have a look what the booklet for
Yxy(77.0010, 0.3097, 0.3242)
contains.

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Color

Yxy(77.0386, 0.3102, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	E3E3E7
RGB	227, 227, 231
RGB Percent	89%, 89%, 91%
CMY	0.1097, 0.1098, 0.0942
CMYK	0.02, 0.02, 0.00, 0.09
HSL	241°, 8%, 90%
HSV	241°, 2%, 91%
XYZ	73.5757, 77.0386, 86.5735
YIQ	227.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

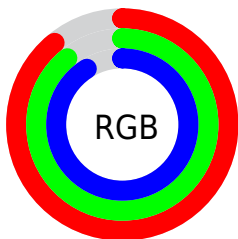
Format	Color
R_{YB}	227, 227, 231
Decimal	14935015
CIE Lab	90.34, 0.73, -1.94
CIE LCh	90, 2.075, 290.744
Yxy	77.0386, 0.3102, 0.3248
Android (android.graphics.Color)	4293125095 (0xFFE3E3E7)
YUV	227.4560, 1.7472, -0.3999
Hunter-Lab	87.7716, -3.9705, 2.9595

Details

The Yxy color **77.0386, 0.3102, 0.3248** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.6629, 0.3152, 0.3332**, and the grayscale version is **77.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3708, 0.3102, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **61.7627, 0.2944, 0.2984**, and if you desaturate by 10%, it is **94.5114, 0.3240, 0.3478**.

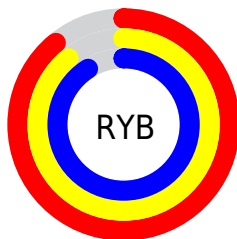
Distribution



Red (89%)

Green (89%)

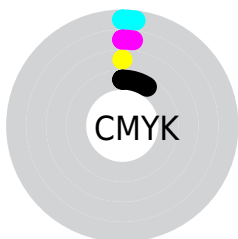
Blue (91%)



Red (89%)

Yellow (89%)

Blue (91%)

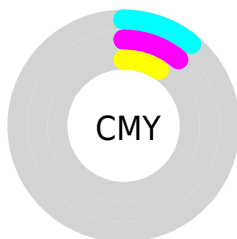


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (11%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0386, 0.3102, 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 77.0386, 0.3102, 0.3248 by changing the saturation by 10% instead.

■ 77.0386, 0.3102,
0.3248

■ 77.0386, 0.3102,
0.3248

484.8956, 0.3114,
0.3267

■ 57.2846, 0.3099,
0.3244

129.1940, 0.3106,
0.3255

■ 41.2337, 0.3096,
0.3238

162.3641, 0.3108,
0.3257

■ 28.5018, 0.3092,
0.3231

200.7750, 0.3109,
0.3260

■ 18.7042, 0.3087,
0.3223

244.8111, 0.3110,
0.3261

■ 11.4568, 0.3080,
0.3211

294.8569, 0.3111,
0.3263

■ 6.3749, 0.3069,
0.3194

351.2966, 0.3112,

■ 3.0744, 0.3053,

0.3265

0.3167

414.5147, 0.3113,
0.3266

■ 1.1707, 0.3025,
0.3122

■ 0.0376, 0.2003,
0.1403

■ 77.0386, 0.3102,
0.3248

■ 77.0386, 0.3102,
0.3248

■ 61.7627, 0.2944,
0.2984

■ 94.5114, 0.3240,
0.3478

■ 48.5874, 0.2764,
0.2685

■ 98.5481, 0.3268,
0.3523

■ 37.4238, 0.2566,
0.2356

■ 28.1730, 0.2354,
0.2005

■ 20.7278, 0.2139,
0.1648

■ 14.9701, 0.1934,
0.1309

■ 10.7683, 0.1756,
0.1015

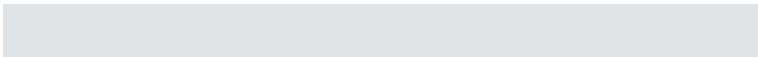
■ 7.9709, 0.1620,
0.0793

■ 6.3964, 0.1536,
0.0657

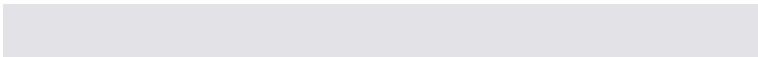
Harmonies

Analogous

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



77.0386, 0.3085, 0.3253



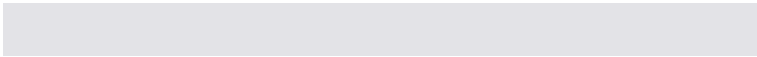
77.0386, 0.3102, 0.3248



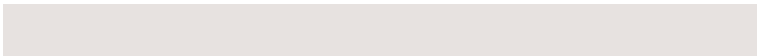
77.0386, 0.3126, 0.3254

Triad

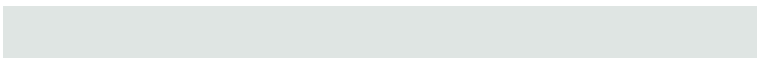
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0386, 0.3102, 0.3248



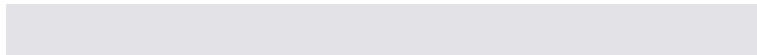
77.0386, 0.3175, 0.3312



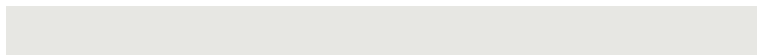
77.0386, 0.3105, 0.3311

Complementary

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



77.0386, 0.3102, 0.3248



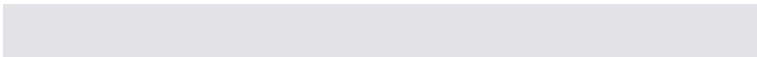
79.6629, 0.3152, 0.3332

Split Complementary

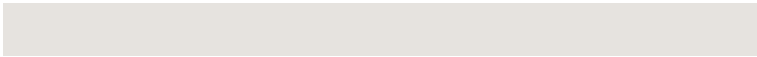
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0386, 0.3129, 0.3327



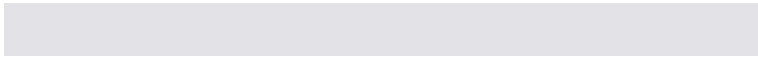
77.0386, 0.3102, 0.3248



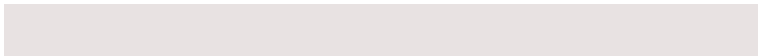
77.0386, 0.3170, 0.3327

Square

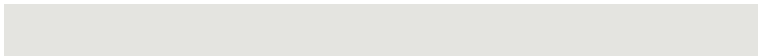
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



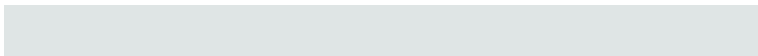
77.0386, 0.3102, 0.3248



77.0386, 0.3168, 0.3291



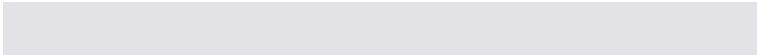
77.0386, 0.3152, 0.3333



77.0386, 0.3087, 0.3289

Rectangle

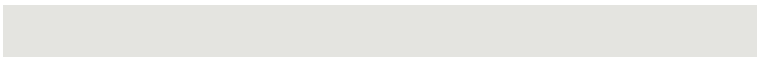
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



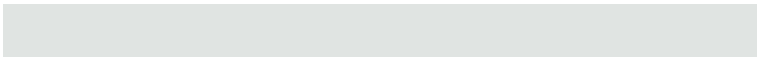
77.0386, 0.3102, 0.3248



77.0386, 0.3142, 0.3264



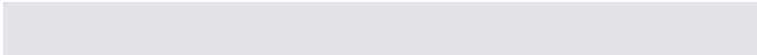
77.0386, 0.3152, 0.3333



77.0386, 0.3112, 0.3317

Sweetspot

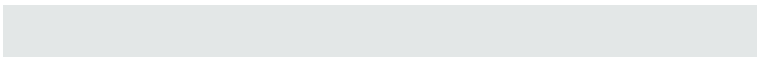
The Sweet Spot groups the original color and five complimentary colors.



77.0419, 0.3102, 0.3248



97.9074, 0.3113, 0.3266



79.2365, 0.3100, 0.3290



20.9783, 0.3113, 0.3267



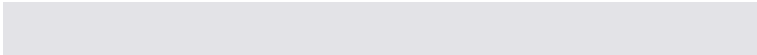
0.0000, 0.0000, 0.0000



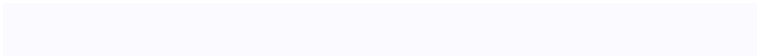
21.4041, 0.3127, 0.3290

Same Dimension

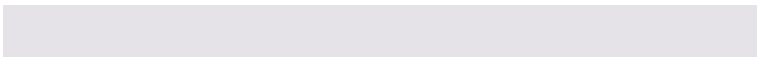
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0419, 0.3102, 0.3248



95.8425, 0.3098, 0.3241



77.3616, 0.3115, 0.3248



16.3970, 0.3099, 0.3244



3.2442, 0.1503, 0.0602



0.2418, 0.1510, 0.0606

Inverse Universe

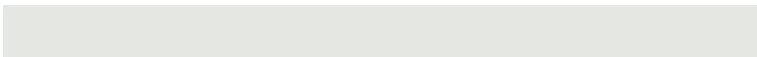
The Inverse Universe completely reimagines the original color for something new.



77.6886, 0.3129, 0.3249



96.7863, 0.3130, 0.3242



79.3396, 0.3139, 0.3332



16.5485, 0.3130, 0.3245



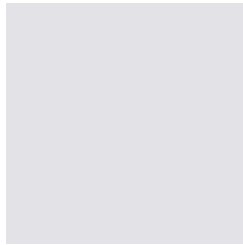
12.6984, 0.3230, 0.1553



0.9391, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 77.0386, 0.3102, 0.3248 looks on a white background.

Color Contrast Check

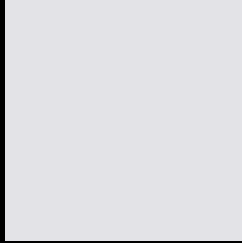
Large Text (above 18pt) WCAG AA × Fail

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 77.0386, 0.3102, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

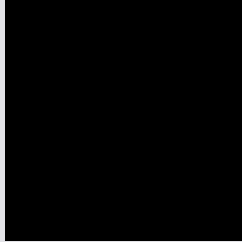
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

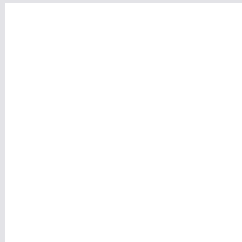
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0386, 0.3102, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 77.0386, 0.3102, 0.3248.

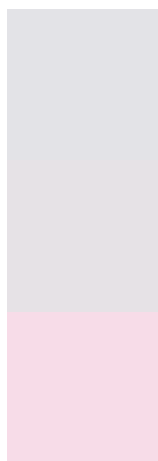


This preview shows how white text looks on a background with the Yxy color 77.0386, 0.3102, 0.3248.

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

77.0386, 0.3102, 0.3248

Protanopia

76.9289, 0.3129, 0.3248

Deuteranopia

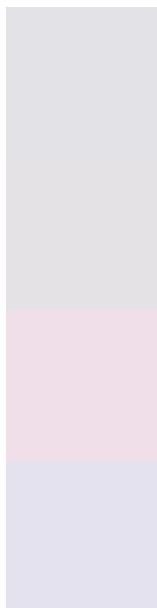
76.7868, 0.3240, 0.3169



Tritanopia

76.9795, 0.3040, 0.3103

Trichromacy



Original Color

77.0386, 0.3102, 0.3248

Protanomaly

76.7639, 0.3122, 0.3248

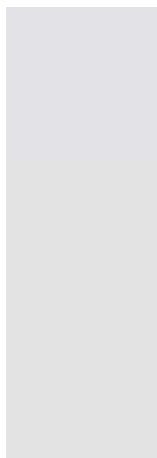
Deuteranomaly

77.1268, 0.3188, 0.3198

Tritanomaly

77.1187, 0.3058, 0.3154

Monochromacy



Original Color

77.0386, 0.3102, 0.3248

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8705, 0.3121, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0386, 0.3102, 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(227, 227, 231)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.0386, 0.3102, 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(227, 227, 231) }
```

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

```
.border{ border-color:rgb(227, 227, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 231);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0386, 0.3102, 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(227, 227, 231) }
```

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

```
.background{ background-color: rgb(227,  
227, 231) }
```

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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