

Converting Colors

$Yxy(77.6035, 0.3199, 0.3312)$

Have a look what the booklet for
Yxy(77.6035, 0.3199, 0.3312)
contains.

Yxy(77.4367, 0.3203, 0.3311)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.4367, 0.3203, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	EBE2E0
RGB	235, 226, 224
RGB Percent	92%, 89%, 88%
CMY	0.0785, 0.1137, 0.1215
CMYK	0.00, 0.04, 0.05, 0.08
HSL	11°, 22%, 90%
HSV	11°, 5%, 92%
XYZ	74.9108, 77.4367, 81.5295
YIQ	228.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

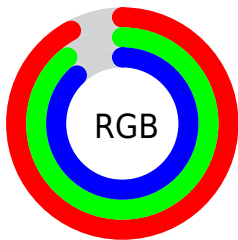
Format	Color
R _Y B	235, 226, 224
Decimal	15459040
CIE Lab	90.52, 2.71, 2.05
CIE LCh	91, 3.393, 37.073
Yxy	77.4367, 0.3203, 0.3311
Android (android.graphics.Color)	4293649120 (0xFFEBE2E0)
YUV	228.4630, -2.2003, 5.7329
Hunter-Lab	87.9981, -2.0437, 6.6670

Details

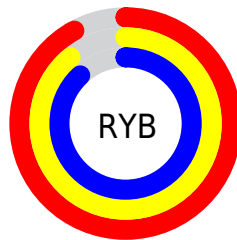
The Yxy color **77.4367, 0.3203, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.1247, 0.3055, 0.3269**, and the grayscale version is **77.9546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5741, 0.3217, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **66.3707, 0.3391, 0.3359**, and if you desaturate by 10%, it is **89.8591, 0.3049, 0.3267**.

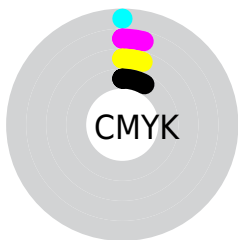
Distribution



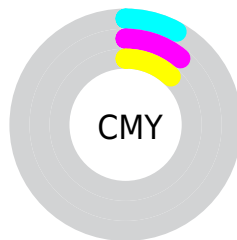
- Red (92%)
- Green (89%)
- Blue (88%)



- Red (92%)
- Yellow (89%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (8%)




- Cyan (8%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4367, 0.3203, 0.3311 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 77.4367, 0.3203, 0.3311 by changing the saturation by 10% instead.

 77.4367, 0.3203,
0.3311

 77.4367, 0.3203,
0.3311


486.2517, 0.3168,
0.3302

 57.6114, 0.3211,
0.3313


129.7557, 0.3191,
0.3308

 41.4963, 0.3221,
0.3316

163.0182, 0.3186,
0.3307

 28.7071, 0.3233,
0.3319

201.5286, 0.3182,
0.3305

 18.8593, 0.3249,
0.3323


245.6711, 0.3179,
0.3304

 11.5687, 0.3270,
0.3329

295.8303, 0.3176,
0.3304

 6.4507, 0.3301,
0.3337

352.3906, 0.3173,

 3.1210, 0.3350,

0.3303

0.3348

415.7362, 0.3170,
0.3302

■ 1.1952, 0.3434,
0.3368

■ 0.0578, 0.6767,
0.3233

■ 77.4367, 0.3203,
0.3311

■ 77.4367, 0.3203,
0.3311

■ 66.3707, 0.3391,
0.3359

■ 89.8591, 0.3049,
0.3267

■ 56.6053, 0.3618,
0.3409

■ 96.4006, 0.3005,
0.3290

■ 48.0955, 0.3893,
0.3460

■ 40.7899, 0.4219,
0.3509

■ 34.6336, 0.4596,
0.3549

■ 29.5675, 0.5011,
0.3574

■ 25.5269, 0.5435,
0.3573

■ 22.4400, 0.5821,
0.3539

■ 20.2254, 0.6115,
0.3474

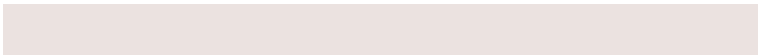
Harmonies

Analogous

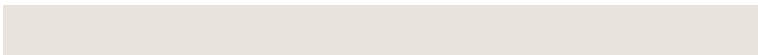
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4367, 0.3182, 0.3276



77.4367, 0.3203, 0.3311



77.4367, 0.3203, 0.3341

Triad

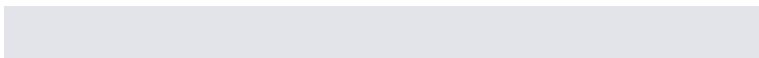
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4367, 0.3203, 0.3311



77.4367, 0.3107, 0.3337



77.4367, 0.3072, 0.3223

Complementary

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



77.4367, 0.3203, 0.3311



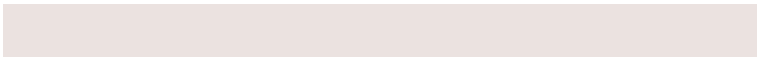
80.1247, 0.3055, 0.3269

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.



77.4367, 0.3052, 0.3239



77.4367, 0.3203, 0.3311



77.4367, 0.3072, 0.3305

Square

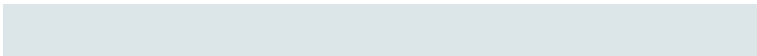
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4367, 0.3203, 0.3311



77.4367, 0.3148, 0.3357



77.4367, 0.3052, 0.3269



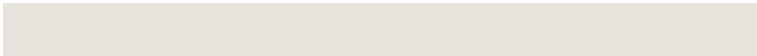
77.4367, 0.3106, 0.3225

Rectangle

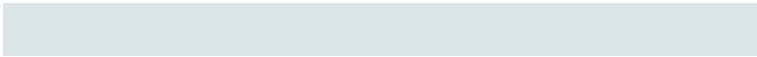
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



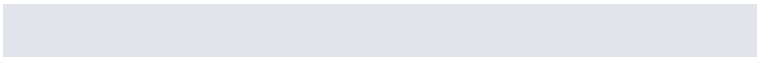
77.4367, 0.3203, 0.3311



77.4367, 0.3192, 0.3354



77.4367, 0.3052, 0.3269



77.4367, 0.3063, 0.3226

Sweetspot

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



77.4401, 0.3203, 0.3311



98.5123, 0.3143, 0.3294



76.8728, 0.3144, 0.3195



21.1014, 0.3142, 0.3294



0.0000, 0.0000, 0.0000



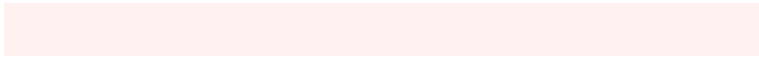
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4401, 0.3203, 0.3311



91.3219, 0.3226, 0.3317



80.3814, 0.3199, 0.3366



16.1860, 0.3237, 0.3320



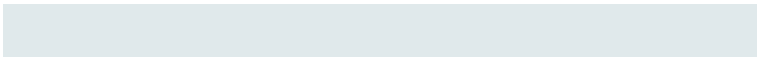
10.9096, 0.6207, 0.3454



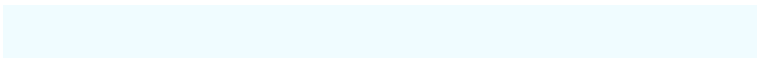
0.9828, 0.5956, 0.3653

Inverse Universe

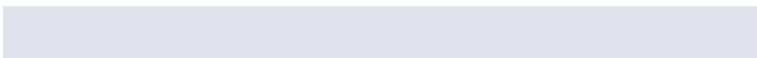
The Inverse Universe completely reimagines the original color for something new.



80.1247, 0.3055, 0.3269



95.4539, 0.3034, 0.3263



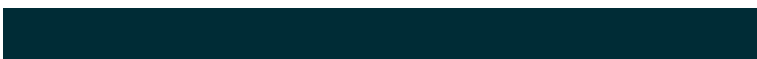
77.1551, 0.3056, 0.3213



16.9953, 0.3025, 0.3260



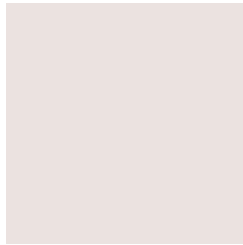
24.5784, 0.2083, 0.2700



2.0510, 0.2109, 0.2791

Previews

White Background



This preview shows how the Yxy color 77.4367, 0.3203, 0.3311 looks on a white background.

Color Contrast Check

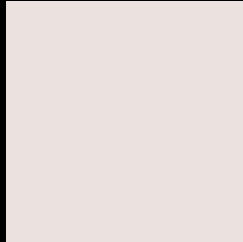
Large Text (above 18pt) WCAG AA × Fail

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 77.4367, 0.3203, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

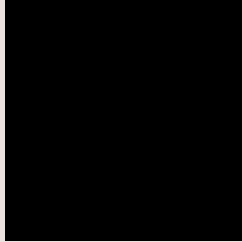
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

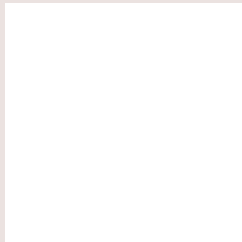
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4367, 0.3203, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 77.4367, 0.3203, 0.3311.

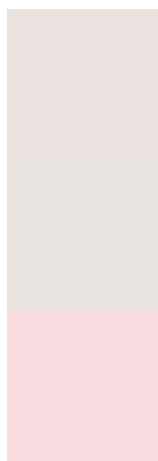


This preview shows how white text looks on a background with the Yxy color 77.4367, 0.3203, 0.3311.

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

77.4367, 0.3203, 0.3311

Protanopia

77.6436, 0.3188, 0.3322

Deuteranopia

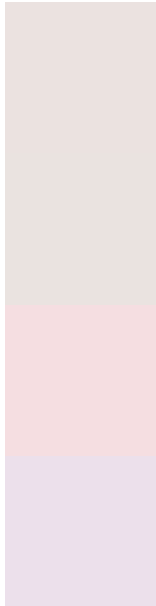
77.1319, 0.3317, 0.3240



Tritanopia

77.1308, 0.3108, 0.3106

Trichromacy



Original Color

77.4367, 0.3203, 0.3311

Protanomaly

77.8124, 0.3195, 0.3322

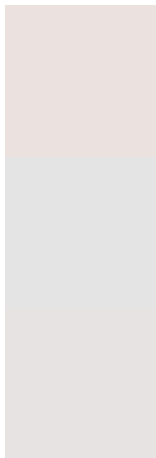
Deuteranomaly

77.0913, 0.3271, 0.3260

Tritanomaly

77.1423, 0.3139, 0.3176

Monochromacy



Original Color

77.4367, 0.3203, 0.3311

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.4731, 0.3155, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4367, 0.3203, 0.3311 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(235, 226, 224)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 224)  
}
```

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(235, 226, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 224) }
```

Border

The CSS property to change the border of an element to Yxy 77.4367, 0.3203, 0.3311 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(235, 226, 224) }
```

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

```
.border{ border-color:rgb(235, 226, 224) }
```

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

Here you see how a box with a 4 pixel rgb(235, 226, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 224);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4367, 0.3203, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 224) }
```

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

```
.background{ background-color: rgb(235,  
226, 224) }
```

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