

Converting Colors

$Yxy(77.7041, 0.3169, 0.3252)$

Have a look what the booklet for
Yxy(77.7041, 0.3169, 0.3252)
contains.

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Color

Yxy(77.7681, 0.3164, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	EBE2E6
RGB	235, 226, 230
RGB Percent	92%, 89%, 90%
CMY	0.0785, 0.1137, 0.0982
CMYK	0.00, 0.04, 0.02, 0.08
HSL	334°, 18%, 90%
HSV	334°, 4%, 92%
XYZ	75.7335, 77.7681, 85.8585
YIQ	229.1470, 4.0800, 3.1520

Conversions

Conversions Part 2

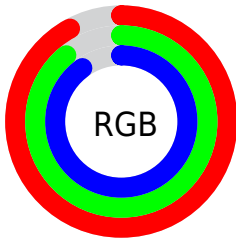
Format	Color
R_{YB}	235, 226, 230
Decimal	15459046
CIE Lab	90.67, 3.74, -0.85
CIE LCh	91, 3.834, 347.159
Yxy	77.7681, 0.3164, 0.3249
Android (android.graphics.Color)	4293649126 (0xFFEBE2E6)
YUV	229.1470, 0.4205, 5.1331
Hunter-Lab	88.1862, -1.0317, 4.0054

Details

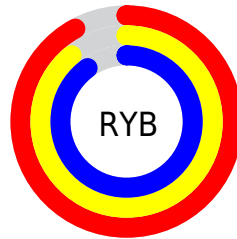
The Yxy color **77.7681, 0.3164, 0.3249** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.3524, 0.3092, 0.3331**, and the grayscale version is **78.4629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8047, 0.3166, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **65.1438, 0.3275, 0.3137**, and if you desaturate by 10%, it is **92.2062, 0.3073, 0.3354**.

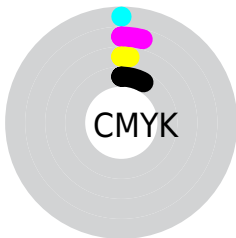
Distribution



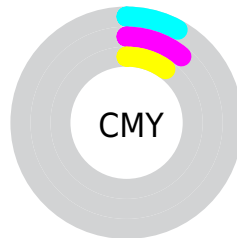
- Red (92%)
- Green (89%)
- Blue (90%)



- Red (92%)
- Yellow (89%)
- Blue (90%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7681, 0.3164, 0.3249 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 77.7681, 0.3164, 0.3249 by changing the saturation by 10% instead.

77.7681, 0.3164,
0.3249

77.7681, 0.3164,
0.3249

487.3789, 0.3147,
0.3268

57.8835, 0.3168,
0.3245

130.2232, 0.3158,
0.3255

41.7150, 0.3172,
0.3240

163.5624, 0.3156,
0.3258

28.8782, 0.3178,
0.3233

202.1553, 0.3154,
0.3260

18.9887, 0.3186,
0.3224

246.3863, 0.3152,
0.3262

11.6621, 0.3196,
0.3213

296.6398, 0.3151,
0.3264

6.5140, 0.3211,
0.3197

353.3001, 0.3149,

3.1601, 0.3233,

0.3265

0.3172

416.7517, 0.3148,
0.3267

■ 1.2159, 0.3273,
0.3128

■ 0.0746, 0.4295,
0.1976

■ 77.7681, 0.3164,
0.3249

■ 77.7681, 0.3164,
0.3249

■ 65.1438, 0.3275,
0.3137

■ 92.2062, 0.3073,
0.3354

■ 54.2512, 0.3409,
0.3020

■ 96.4002, 0.3005,
0.3290

■ 45.0169, 0.3570,
0.2900

■ 37.3581, 0.3762,
0.2784

■ 31.1851, 0.3986,
0.2679

■ 26.3988, 0.4240,
0.2597

■ 22.8882, 0.4517,
0.2550

■ 20.5246, 0.4804,
0.2551

■ 19.1519, 0.5082,
0.2607

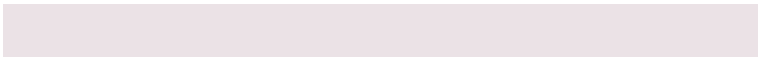
Harmonies

Analogous

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



77.7681, 0.3119, 0.3222



77.7681, 0.3164, 0.3249



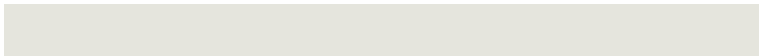
77.7681, 0.3200, 0.3287

Triad

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



77.7681, 0.3164, 0.3249



77.7681, 0.3178, 0.3369



77.7681, 0.3040, 0.3253

Complementary

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



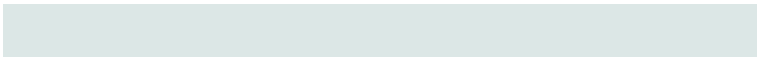
77.7681, 0.3164, 0.3249



81.3524, 0.3092, 0.3331

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.



77.7681, 0.3055, 0.3293



77.7681, 0.3164, 0.3249



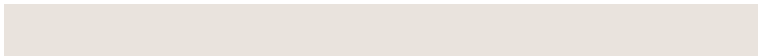
77.7681, 0.3135, 0.3360

Square

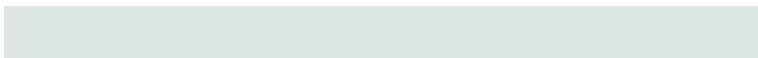
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



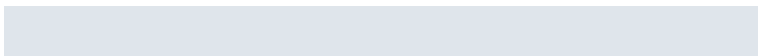
77.7681, 0.3164, 0.3249



77.7681, 0.3208, 0.3356



77.7681, 0.3090, 0.3332



77.7681, 0.3047, 0.3224

Rectangle

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



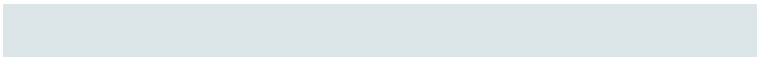
77.7681, 0.3164, 0.3249



77.7681, 0.3213, 0.3314



77.7681, 0.3090, 0.3332



77.7681, 0.3042, 0.3266

Sweetspot

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



77.7715, 0.3164, 0.3249



98.2923, 0.3137, 0.3279



77.3778, 0.3104, 0.3196



21.0566, 0.3136, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

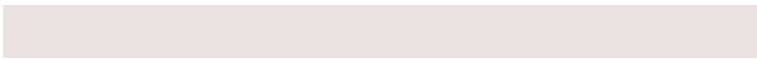
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7715, 0.3164, 0.3249



91.6824, 0.3176, 0.3236



77.7961, 0.3190, 0.3295



16.2117, 0.3183, 0.3229



10.4062, 0.5206, 0.2642



0.8362, 0.4861, 0.2451

Inverse Universe

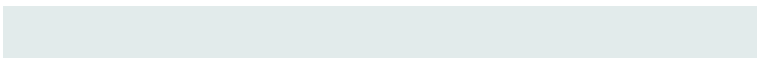
The Inverse Universe completely reimagines the original color for something new.



77.7715, 0.3164, 0.3249



91.6824, 0.3176, 0.3236



81.3219, 0.3068, 0.3285



16.2117, 0.3183, 0.3229



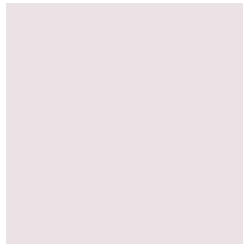
10.4062, 0.5206, 0.2642



0.8362, 0.4861, 0.2451

Previews

White Background



This preview shows how the Yxy color 77.7681, 0.3164, 0.3249 looks on a white background.

Color Contrast Check

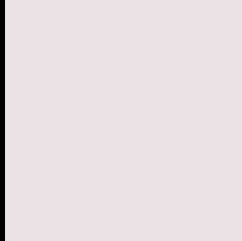
Large Text (above 18pt) WCAG AA × Fail

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 77.7681, 0.3164, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

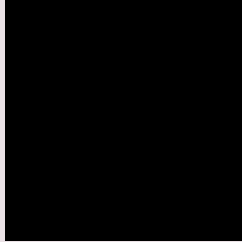
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

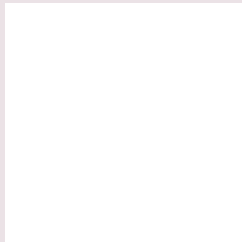
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7681, 0.3164, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 77.7681, 0.3164, 0.3249.

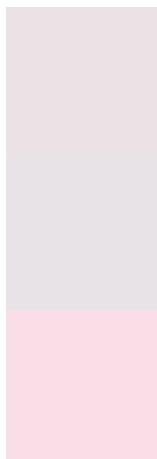


This preview shows how white text looks on a background with the Yxy color 77.7681, 0.3164, 0.3249.

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

77.7681, 0.3164, 0.3249

Protanopia

77.6966, 0.3129, 0.3248

Deuteranopia

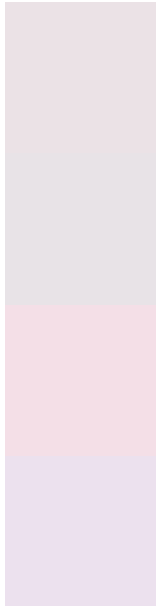
77.6222, 0.3260, 0.3189



Tritanopia

77.7266, 0.3101, 0.3106

Trichromacy



Original Color

77.7681, 0.3164, 0.3249

Protanomaly

77.8635, 0.3136, 0.3248

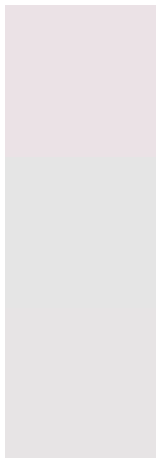
Deuteranomaly

77.7780, 0.3223, 0.3209

Tritanomaly

77.8563, 0.3120, 0.3156

Monochromacy



Original Color

77.7681, 0.3164, 0.3249

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1329, 0.3141, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7681, 0.3164, 0.3249 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.7681, 0.3164, 0.3249 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, 230) }
```

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

```
.border{ border-color:rgb(235, 226, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7681, 0.3164, 0.3249 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, 230) }
```

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

```
.background{ background-color: rgb(235,  
226, 230) }
```

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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