

Converting Colors

$Y_{xy}(77.4736, 0.3101, 0.3169)$

Have a look what the booklet for
Yxy(77.4736, 0.3101, 0.3169)
contains.

Yxy(77.2885, 0.3105, 0.3166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2885, 0.3105, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	E9E1ED
RGB	233, 225, 237
RGB Percent	91%, 88%, 93%
CMY	0.0865, 0.1175, 0.0706
CMYK	0.02, 0.05, 0.00, 0.07
HSL	280°, 25%, 91%
HSV	280°, 5%, 93%
XYZ	75.7994, 77.2885, 91.0325
YIQ	228.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

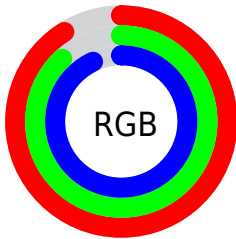
Format	Color
R _Y B	233, 225, 237
Decimal	15327725
CIE Lab	90.45, 4.82, -4.87
CIE LCh	90, 6.852, 314.698
Yxy	77.2885, 0.3105, 0.3166
Android (android.graphics.Color)	4293517805 (0xFFE9E1ED)
YUV	228.7600, 4.0623, 3.7185
Hunter-Lab	87.9139, 0.0535, 0.1465

Details

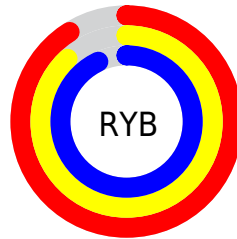
The Yxy color $77.2885, 0.3105, 0.3166$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82.6678, 0.3148, 0.3415$, and the grayscale version is $78.1344, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.4328, 0.3098, 0.3143$ is the 20% darker color. If you saturate the color by 10%, you get $64.0356, 0.3055, 0.2908$, and if you desaturate by 10%, it is $92.3877, 0.3147, 0.3407$.

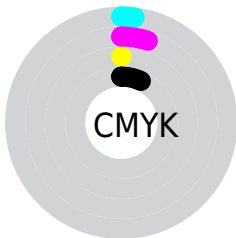
Distribution



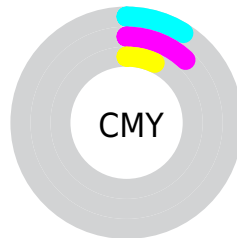
- Red (91%)
- Green (88%)
- Blue (93%)



- Red (91%)
- Yellow (88%)
- Blue (93%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2885, 0.3105, 0.3166 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 77.2885, 0.3105, 0.3166 by changing the saturation by 10% instead.

■ 77.2885, 0.3105,
0.3166

■ 77.2885, 0.3105,
0.3166

485.7471, 0.3115,
0.3222

■ 57.4897, 0.3103,
0.3153

129.5466, 0.3109,
0.3185

■ 41.3985, 0.3100,
0.3138

162.7748, 0.3110,
0.3193

■ 28.6306, 0.3096,
0.3118

201.2481, 0.3111,
0.3200

■ 18.8016, 0.3091,
0.3093

245.3511, 0.3112,
0.3205

■ 11.5270, 0.3084,
0.3059

295.4681, 0.3113,
0.3210

■ 6.4225, 0.3074,
0.3012

351.9835, 0.3114,

■ 3.1036, 0.3058,

0.3215

0.2939

415.2817, 0.3115,
0.3219

■ 1.1861, 0.3029,
0.2815

■ 0.0503, 0.2708,
0.0823

■ 77.2885, 0.3105,
0.3166

■ 77.2885, 0.3105,
0.3166

■ 64.0356, 0.3055,
0.2908

■ 92.3877, 0.3147,
0.3407

■ 52.5453, 0.2995,
0.2636

■ 97.7678, 0.3194,
0.3466

■ 42.7425, 0.2927,
0.2356

■ 98.8936, 0.3232,
0.3464

■ 34.5423, 0.2850,
0.2079

■ 27.8526, 0.2765,
0.1814

■ 22.5716, 0.2674,
0.1575

■ 18.5845, 0.2582,
0.1373

■ 15.7580, 0.2490,
0.1217

■ 13.9285, 0.2402,
0.1112

Harmonies

Analogous

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



77.2885, 0.3030, 0.3152



77.2885, 0.3105, 0.3166



77.2885, 0.3187, 0.3212

Triad

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



77.2885, 0.3105, 0.3166



77.2885, 0.3274, 0.3405



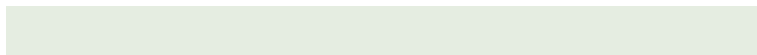
77.2885, 0.3003, 0.3300

Complementary

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



77.2885, 0.3105, 0.3166



82.6678, 0.3148, 0.3415

Split Complementary

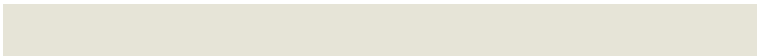
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2885, 0.3067, 0.3370



77.2885, 0.3105, 0.3166



77.2885, 0.3224, 0.3431

Square

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



77.2885, 0.3105, 0.3166



77.2885, 0.3285, 0.3349



77.2885, 0.3148, 0.3418



77.2885, 0.2972, 0.3229

Rectangle

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



77.2885, 0.3105, 0.3166



77.2885, 0.3234, 0.3255



77.2885, 0.3148, 0.3418



77.2885, 0.3021, 0.3325

Sweetspot

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



77.2918, 0.3105, 0.3166



96.4635, 0.3119, 0.3241



78.2813, 0.3050, 0.3208



20.6842, 0.3119, 0.3244



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.



77.2918, 0.3105, 0.3166



89.6556, 0.3100, 0.3142



77.8758, 0.3145, 0.3185



15.8603, 0.3098, 0.3126



7.3190, 0.2373, 0.1081



0.6272, 0.2491, 0.1146

Inverse Universe

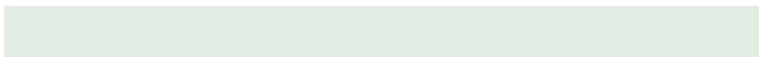
The Inverse Universe completely reimagines the original color for something new.



77.5276, 0.3185, 0.3248



89.9885, 0.3196, 0.3240



82.1084, 0.3110, 0.3397



15.9259, 0.3204, 0.3235



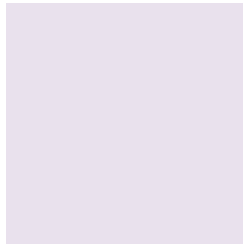
10.1691, 0.5619, 0.2869



0.8159, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 77.2885, 0.3105, 0.3166 looks on a white background.

Color Contrast Check

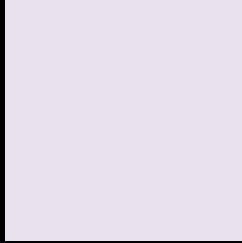
Large Text (above 18pt) WCAG AA × Fail

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 77.2885, 0.3105, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

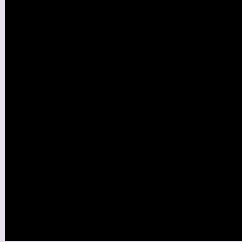
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

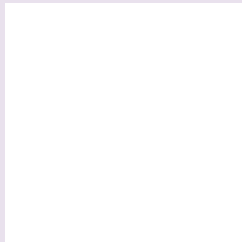
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2885, 0.3105, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 77.2885, 0.3105, 0.3166.

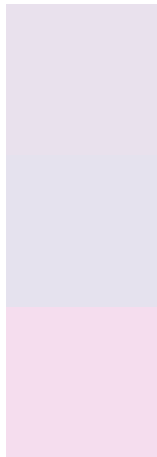


This preview shows how white text looks on a background with the Yxy color 77.2885, 0.3105, 0.3166.

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

77.2885, 0.3105, 0.3166

Protanopia

77.2238, 0.3071, 0.3165

Deuteranopia

77.2984, 0.3185, 0.3118



Tritanopia

77.2145, 0.3081, 0.3105

Trichromacy



Original Color

77.2885, 0.3105, 0.3166

Protanomaly

77.3888, 0.3078, 0.3165

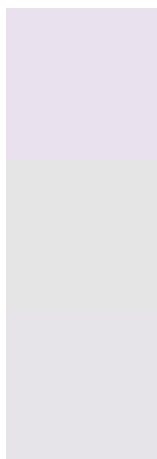
Deuteranomaly

77.1164, 0.3156, 0.3127

Tritanomaly

77.0950, 0.3093, 0.3125

Monochromacy



Original Color

77.2885, 0.3105, 0.3166

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1360, 0.3115, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2885, 0.3105, 0.3166 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(233, 225, 237)` looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 237)  
}
```

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(233, 225, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 237) }
```

Border

The CSS property to change the border of an element to Yxy 77.2885, 0.3105, 0.3166 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(233, 225, 237) }
```

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

```
.border{ border-color:rgb(233, 225, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 225, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2885, 0.3105, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 237) }
```

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

```
.background{ background-color: rgb(233,  
225, 237) }
```

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