

Converting Colors

$Y_{xy}(77.4255, 0.3102, 0.3156)$

Have a look what the booklet for
Yxy(77.4255, 0.3102, 0.3156)
contains.

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Color

Yxy(77.3471, 0.3099, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	E9E1EE
RGB	233, 225, 238
RGB Percent	91%, 88%, 93%
CMY	0.0861, 0.1177, 0.0665
CMYK	0.02, 0.05, 0.00, 0.07
HSL	277°, 28%, 91%
HSV	277°, 5%, 93%
XYZ	75.9742, 77.3471, 91.8359
YIQ	228.8740, 0.5950, 5.7390

Conversions

Conversions Part 2

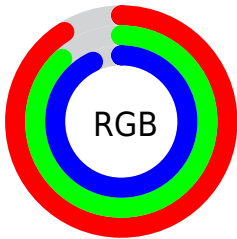
Format	Color
R _Y B	233, 225, 238
Decimal	15327726
CIE Lab	90.48, 5.06, -5.38
CIE LCh	90, 7.383, 313.260
Yxy	77.3471, 0.3099, 0.3155
Android (android.graphics.Color)	4293517806 (0xFFE9E1EE)
YUV	228.8740, 4.4991, 3.6185
Hunter-Lab	87.9472, 0.2917, -0.3485

Details

The Yxy color $77.3471, 0.3099, 0.3155$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83.4223, 0.3154, 0.3426$, and the grayscale version is $78.2296, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.4740, 0.3090, 0.3129$ is the 20% darker color. If you saturate the color by 10%, you get $63.8712, 0.3040, 0.2895$, and if you desaturate by 10%, it is $92.7028, 0.3148, 0.3397$.

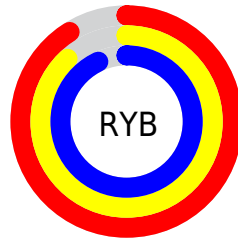
Distribution



Red (91%)

Green (88%)

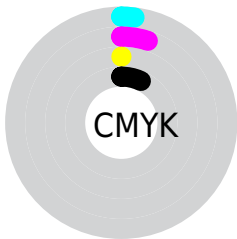
Blue (93%)



Red (91%)

Yellow (88%)

Blue (93%)

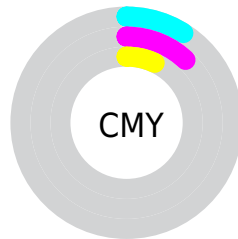


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (12%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3471, 0.3099, 0.3155 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 77.3471, 0.3099, 0.3155 by changing the saturation by 10% instead.

■ 77.3471, 0.3099,
0.3155

■ 77.3471, 0.3099,
0.3155

485.9467, 0.3112,
0.3216

■ 57.5378, 0.3096,
0.3141

129.6293, 0.3104,
0.3176

■ 41.4372, 0.3092,
0.3124

162.8711, 0.3105,
0.3184

■ 28.6608, 0.3087,
0.3103

201.3590, 0.3107,
0.3191

■ 18.8244, 0.3081,
0.3076

245.4777, 0.3108,
0.3198

■ 11.5435, 0.3073,
0.3039

295.6114, 0.3109,
0.3203

■ 6.4336, 0.3060,
0.2987

352.1445, 0.3110,

■ 3.1105, 0.3040,

0.3208

0.2909

415.4615, 0.3111,
0.3212

■ 1.1897, 0.3004,
0.2775

■ 0.0533, 0.2633,
0.0805

■ 77.3471, 0.3099,
0.3155

■ 77.3471, 0.3099,
0.3155

■ 63.8712, 0.3040,
0.2895

■ 92.7028, 0.3148,
0.3397

■ 52.1901, 0.2971,
0.2619

■ 98.2530, 0.3202,
0.3455

■ 42.2271, 0.2892,
0.2335

■ 98.9548, 0.3226,
0.3454

■ 33.8960, 0.2803,
0.2052

■ 27.1026, 0.2706,
0.1780

■ 21.7433, 0.2603,
0.1533

■ 17.7009, 0.2498,
0.1324

■ 14.8391, 0.2395,
0.1163

■ 12.9902, 0.2298,
0.1054

Harmonies

Analogous

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



77.3471, 0.3019, 0.3142



77.3471, 0.3099, 0.3155



77.3471, 0.3187, 0.3203

Triad

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



77.3471, 0.3099, 0.3155



77.3471, 0.3287, 0.3411



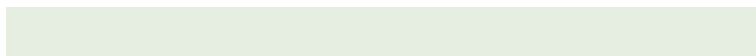
77.3471, 0.2996, 0.3305

Complementary

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



77.3471, 0.3099, 0.3155



83.4223, 0.3154, 0.3426

Split Complementary

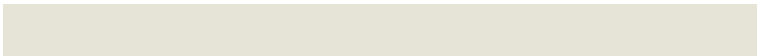
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3471, 0.3066, 0.3380



77.3471, 0.3099, 0.3155



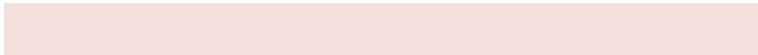
77.3471, 0.3235, 0.3441

Square

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



77.3471, 0.3099, 0.3155



77.3471, 0.3297, 0.3349



77.3471, 0.3154, 0.3430



77.3471, 0.2961, 0.3227

Rectangle

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



77.3471, 0.3099, 0.3155



77.3471, 0.3239, 0.3248



77.3471, 0.3154, 0.3430



77.3471, 0.3016, 0.3331

Sweetspot

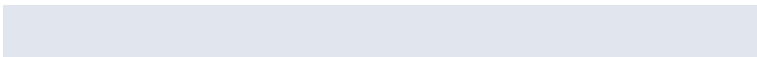
The Sweet Spot groups the original color and five complimentary colors.



77.3504, 0.3099, 0.3155



96.4206, 0.3117, 0.3241



78.7685, 0.3043, 0.3206



20.6755, 0.3118, 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.



77.3504, 0.3099, 0.3155



87.8621, 0.3091, 0.3116



78.1136, 0.3143, 0.3172



16.2862, 0.3087, 0.3102



6.9752, 0.2270, 0.1024



0.6373, 0.2393, 0.1092

Inverse Universe

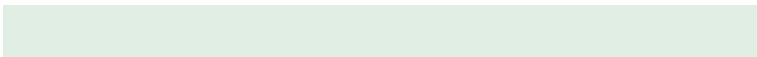
The Inverse Universe completely reimagines the original color for something new.



77.7401, 0.3186, 0.3239



88.4459, 0.3204, 0.3224



82.6917, 0.3111, 0.3411



16.4042, 0.3210, 0.3218



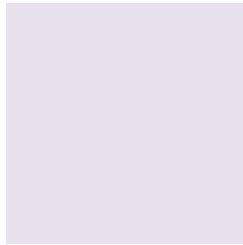
10.5869, 0.5447, 0.2774



0.8996, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 77.3471, 0.3099, 0.3155 looks on a white background.

Color Contrast Check

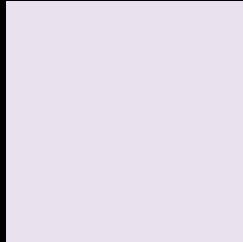
Large Text (above 18pt) WCAG AA × Fail

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 77.3471, 0.3099, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

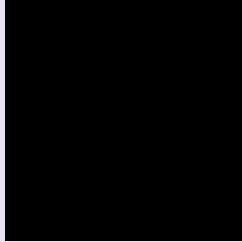
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

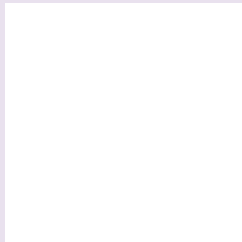
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3471, 0.3099, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 77.3471, 0.3099, 0.3155.

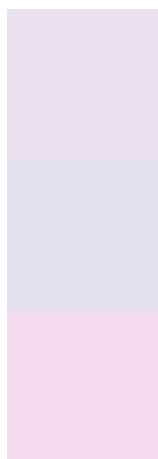


This preview shows how white text looks on a background with the Yxy color 77.3471, 0.3099, 0.3155.

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

77.3471, 0.3099, 0.3155

Protanopia

77.1187, 0.3058, 0.3154

Deuteranopia

77.3574, 0.3178, 0.3108



Tritanopia

77.2145, 0.3081, 0.3105

Trichromacy



Original Color

77.3471, 0.3099, 0.3155

Protanomaly

77.4477, 0.3072, 0.3155

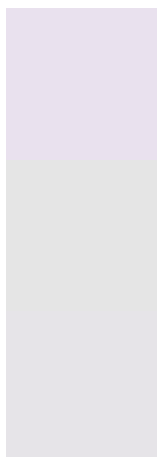
Deuteranomaly

77.1753, 0.3149, 0.3117

Tritanomaly

77.1546, 0.3087, 0.3115

Monochromacy



Original Color

77.3471, 0.3099, 0.3155

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 77.3471, 0.3099, 0.3155 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 238) }
```

Border

The CSS property to change the border of an element to Yxy 77.3471, 0.3099, 0.3155 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, 238) }
```

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

```
.border{ border-color:rgb(233, 225, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 238);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3471, 0.3099, 0.3155 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, 238) }
```

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

```
.background{ background-color: rgb(233,  
225, 238) }
```

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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