

Converting Colors

$Yxy(77.2055, 0.3107, 0.3135)$

Have a look what the booklet for
Yxy(77.2055, 0.3107, 0.3135)
contains.

Yxy(77.2055, 0.3107, 0.3135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.2055, 0.3107, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	EBE0EF
RGB	235, 224, 239
RGB Percent	92%, 88%, 94%
CMY	0.0782, 0.1216, 0.0627
CMYK	0.02, 0.06, 0.00, 0.06
HSL	284°, 32%, 91%
HSV	284°, 6%, 94%
XYZ	76.5159, 77.2055, 92.5481
YIQ	228.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

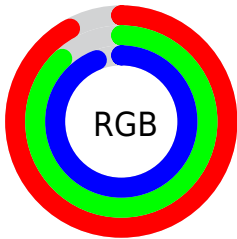
Format	Color
R _Y B	235, 224, 239
Decimal	15458543
CIE Lab	90.42, 6.44, -5.98
CIE LCh	90, 8.786, 317.141
Yxy	77.2055, 0.3107, 0.3135
Android (android.graphics.Color)	4293648623 (0xFFEBE0EF)
YUV	228.9990, 4.9305, 5.2629
Hunter-Lab	87.8667, 1.6745, -0.9422

Details

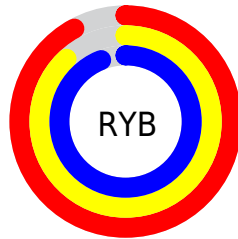
The Yxy color $77.2055, 0.3107, 0.3135$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83.6113, 0.3146, 0.3447$, and the grayscale version is $78.3249, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.3785, 0.3100, 0.3104$ is the 20% darker color. If you saturate the color by 10%, you get $64.2015, 0.3070, 0.2877$, and if you desaturate by 10%, it is $92.0598, 0.3138, 0.3378$.

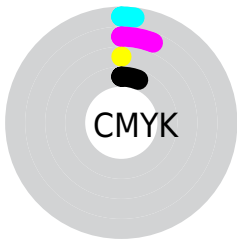
Distribution



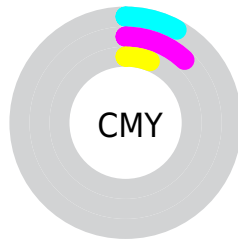
- Red (92%)
- Green (88%)
- Blue (94%)



- Red (92%)
- Yellow (88%)
- Blue (94%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)





- Cyan (8%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2055, 0.3107, 0.3135 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 77.2055, 0.3107, 0.3135 by changing the saturation by 10% instead.

 77.2055, 0.3107,
0.3135

 77.2055, 0.3107,
0.3135

485.4644, 0.3117,
0.3205

 57.4216, 0.3105,
0.3119


129.4295, 0.3110,
0.3159

 41.3438, 0.3102,
0.3100

162.6384, 0.3112,
0.3169

 28.5878, 0.3098,
0.3076


201.0910, 0.3113,
0.3177

 18.7692, 0.3094,
0.3045

245.1718, 0.3114,
0.3184

 11.5036, 0.3087,
0.3003

295.2651, 0.3115,
0.3190

 6.4067, 0.3077,
0.2944

351.7554, 0.3115,

 3.0939, 0.3062,

0.3196

0.2855

415.0270, 0.3116,
0.3201

■ 1.1810, 0.3032,
0.2705

■ 0.0461, 0.2811,
0.0644

■ 77.2055, 0.3107,
0.3135

■ 77.2055, 0.3107,
0.3135

■ 64.2015, 0.3070,
0.2877

■ 92.0598, 0.3138,
0.3378

■ 52.9626, 0.3025,
0.2608

■ 97.6435, 0.3174,
0.3446

■ 43.4115, 0.2973,
0.2336

■ 98.8091, 0.3213,
0.3444

■ 35.4613, 0.2914,
0.2071

■ 99.0134, 0.3220,
0.3444

■ 29.0172, 0.2849,
0.1822

■ 23.9744, 0.2780,
0.1601

■ 20.2142, 0.2708,
0.1421

■ 17.5978, 0.2636,
0.1286

■ 15.9523, 0.2567,
0.1199

Harmonies

Analogous

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



77.2055, 0.3010, 0.3113



77.2055, 0.3107, 0.3135



77.2055, 0.3211, 0.3196

Triad

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



77.2055, 0.3107, 0.3135



77.2055, 0.3313, 0.3441



77.2055, 0.2963, 0.3295

Complementary

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



77.2055, 0.3107, 0.3135



83.6113, 0.3146, 0.3447

Split Complementary

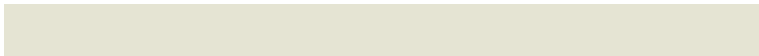
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2055, 0.3042, 0.3387



77.2055, 0.3107, 0.3135



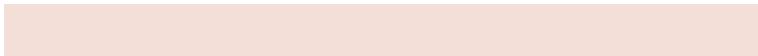
77.2055, 0.3244, 0.3472

Square

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



77.2055, 0.3107, 0.3135



77.2055, 0.3331, 0.3371



77.2055, 0.3145, 0.3452



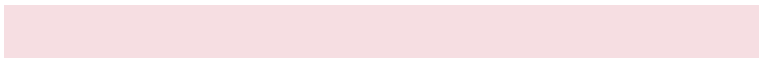
77.2055, 0.2928, 0.3204

Rectangle

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



77.2055, 0.3107, 0.3135



77.2055, 0.3270, 0.3252



77.2055, 0.3145, 0.3452



77.2055, 0.2985, 0.3327

Sweetspot

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



77.2088, 0.3107, 0.3135



96.5357, 0.3121, 0.3241



77.5606, 0.3031, 0.3174



20.6989, 0.3121, 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.



77.2088, 0.3107, 0.3135



86.6649, 0.3101, 0.3091



77.6842, 0.3157, 0.3172



15.8102, 0.3096, 0.3054



8.6228, 0.2553, 0.1180



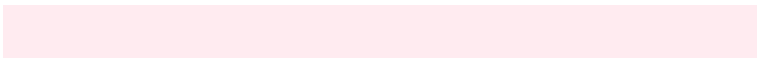
0.7652, 0.2642, 0.1229

Inverse Universe

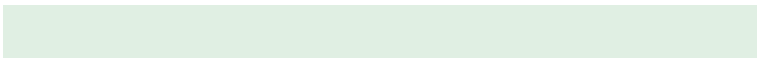
The Inverse Universe completely reimagines the original color for something new.



77.2541, 0.3207, 0.3249



86.7369, 0.3231, 0.3238



83.1646, 0.3098, 0.3411



15.8271, 0.3252, 0.3228



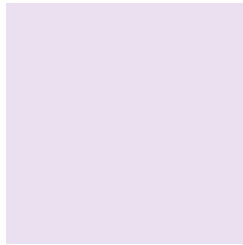
10.3566, 0.5888, 0.3017



0.8774, 0.5517, 0.2813

Previews

White Background



This preview shows how the Yxy color 77.2055, 0.3107, 0.3135 looks on a white background.

Color Contrast Check

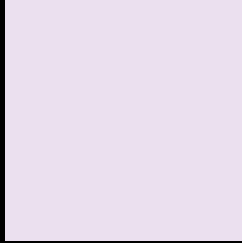
Large Text (above 18pt) WCAG AA × Fail

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 77.2055, 0.3107, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

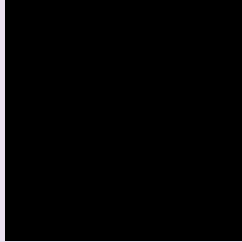
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

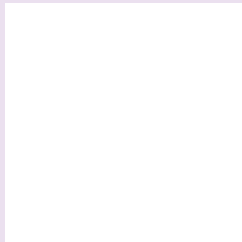
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2055, 0.3107, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 77.2055, 0.3107, 0.3135.

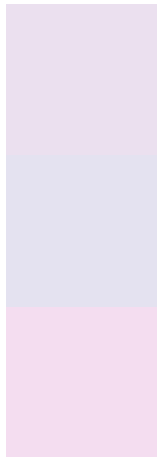


This preview shows how white text looks on a background with the Yxy color 77.2055, 0.3107, 0.3135.

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

77.2055, 0.3107, 0.3135

Protanopia

77.1780, 0.3052, 0.3144

Deuteranopia

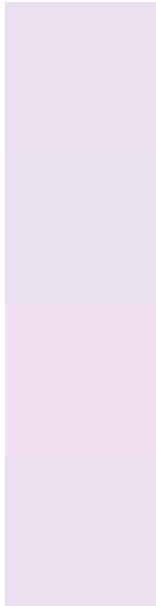
77.2373, 0.3164, 0.3098



Tritanopia

77.3244, 0.3094, 0.3115

Trichromacy



Original Color

77.2055, 0.3107, 0.3135

Protanomaly

77.1306, 0.3073, 0.3134

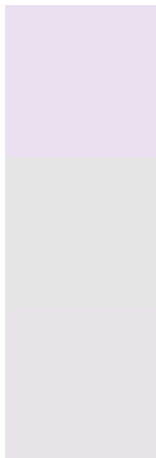
Deuteranomaly

77.2346, 0.3143, 0.3107

Tritanomaly

77.2647, 0.3100, 0.3125

Monochromacy



Original Color

77.2055, 0.3107, 0.3135

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.8103, 0.3116, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2055, 0.3107, 0.3135 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, 224, 239)` looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 239)  
}
```

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, 224, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 239) }
```

Border

The CSS property to change the border of an element to Yxy 77.2055, 0.3107, 0.3135 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, 224, 239) }
```

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

```
.border{ border-color:rgb(235, 224, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 239);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
239) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.2055, 0.3107, 0.3135$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 239) }
```

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

```
.background{ background-color: rgb(235,  
224, 239) }
```

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