

Converting Colors

$Y_{xy}(77.1308, 0.3108, 0.3106)$

Have a look what the booklet for
Yxy(77.1308, 0.3108, 0.3106)
contains.

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Color

Yxy(77.1308, 0.3108, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	EDDFF1
RGB	237, 223, 241
RGB Percent	93%, 87%, 95%
CMY	0.0707, 0.1254, 0.0550
CMYK	0.02, 0.07, 0.00, 0.06
HSL	287°, 39%, 91%
HSV	287°, 7%, 94%
XYZ	77.1805, 77.1308, 94.0171
YIQ	229.2380, 2.5660, 8.5660

Conversions

Conversions Part 2

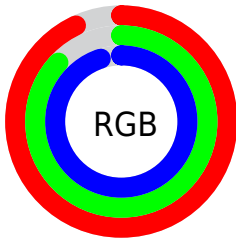
Format	Color
R _Y B	237, 223, 241
Decimal	15589361
CIE Lab	90.38, 7.93, -7.03
CIE LCh	90, 10.599, 318.436
Yxy	77.1308, 0.3108, 0.3106
Android (android.graphics.Color)	4293779441 (0xFFEDDFF1)
YUV	229.2380, 5.7987, 6.8073
Hunter-Lab	87.8241, 3.1748, -1.9940

Details

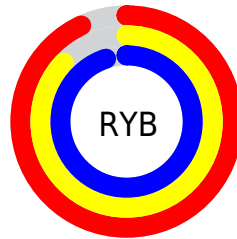
The Yxy color `77.1308, 0.3108, 0.3106` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84.5566, 0.3145, 0.3478`, and the grayscale version is `78.4931, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.3318, 0.3102, 0.3066` is the 20% darker color. If you saturate the color by 10%, you get `64.2502, 0.3077, 0.2848`, and if you desaturate by 10%, it is `91.8781, 0.3133, 0.3351`.

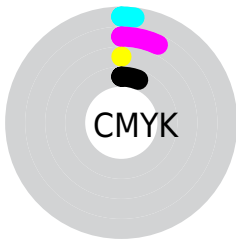
Distribution



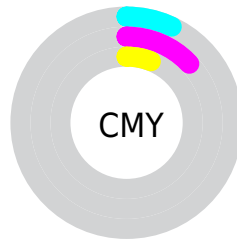
- Red (93%)
- Green (87%)
- Blue (95%)



- Red (93%)
- Yellow (87%)
- Blue (95%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)





- Cyan (7%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1308, 0.3108, 0.3106 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 77.1308, 0.3108, 0.3106 by changing the saturation by 10% instead.

 77.1308, 0.3108,
0.3106

 77.1308, 0.3108,
0.3106

485.2099, 0.3117,
0.3189

 57.3602, 0.3106,
0.3087


129.3241, 0.3111,
0.3135

 41.2945, 0.3103,
0.3065


162.5156, 0.3113,
0.3146

 28.5493, 0.3099,
0.3036


200.9496, 0.3114,
0.3155

 18.7401, 0.3095,
0.3000

245.0104, 0.3115,
0.3164

 11.4827, 0.3088,
0.2951

295.0824, 0.3115,
0.3171

 6.3925, 0.3078,
0.2882

351.5501, 0.3116,

 3.0852, 0.3062,

0.3178

0.2778

414.7978, 0.3117,
0.3184

■ 1.1764, 0.3030,
0.2605

■ 0.0423, 0.2873,
0.0519

■ 77.1308, 0.3108,
0.3106

■ 77.1308, 0.3108,
0.3106

■ 64.2502, 0.3077,
0.2848

■ 91.8781, 0.3133,
0.3351

■ 53.1492, 0.3041,
0.2581

■ 97.7716, 0.3163,
0.3427

■ 43.7483, 0.2998,
0.2314

■ 98.7645, 0.3196,
0.3425

■ 35.9584, 0.2949,
0.2055

■ 99.1293, 0.3209,
0.3425

■ 29.6817, 0.2894,
0.1816

■ 24.8100, 0.2836,
0.1609

■ 21.2204, 0.2776,
0.1441

■ 18.7685, 0.2716,
0.1320

■ 17.2639, 0.2657,
0.1245

Harmonies

Analogous

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



77.1308, 0.2990, 0.3078



77.1308, 0.3108, 0.3106



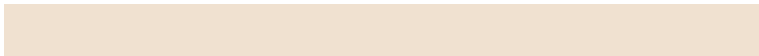
77.1308, 0.3234, 0.3181

Triad

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



77.1308, 0.3108, 0.3106



77.1308, 0.3349, 0.3475



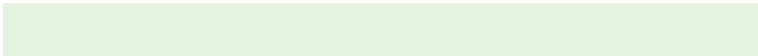
77.1308, 0.2926, 0.3291

Complementary

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



77.1308, 0.3108, 0.3106



84.5566, 0.3145, 0.3478

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.



77.1308, 0.3019, 0.3403



77.1308, 0.3108, 0.3106



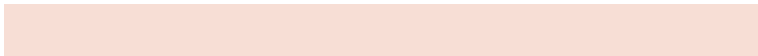
77.1308, 0.3263, 0.3510

Square

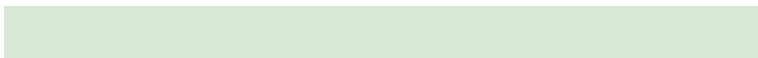
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1308, 0.3108, 0.3106



77.1308, 0.3374, 0.3392



77.1308, 0.3142, 0.3484



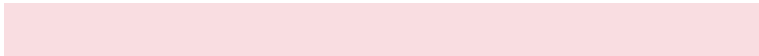
77.1308, 0.2886, 0.3181

Rectangle

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



77.1308, 0.3108, 0.3106



77.1308, 0.3304, 0.3248



77.1308, 0.3142, 0.3484



77.1308, 0.2952, 0.3329

Sweetspot

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



77.1341, 0.3108, 0.3106



96.5744, 0.3122, 0.3241



77.0912, 0.3012, 0.3145



20.7068, 0.3123, 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.



77.1341, 0.3108, 0.3106



85.2654, 0.3104, 0.3066



77.5473, 0.3167, 0.3156



15.8437, 0.3102, 0.3055



9.2600, 0.2652, 0.1234



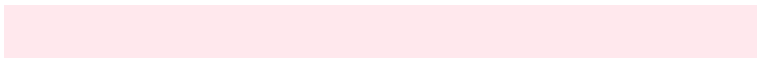
0.8135, 0.2728, 0.1277

Inverse Universe

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



77.0272, 0.3228, 0.3249



85.1250, 0.3251, 0.3240



84.1762, 0.3090, 0.3428



15.8164, 0.3258, 0.3238



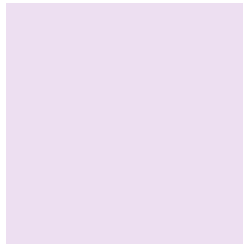
10.3002, 0.6011, 0.3085



0.8714, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 77.1308, 0.3108, 0.3106 looks on a white background.

Color Contrast Check

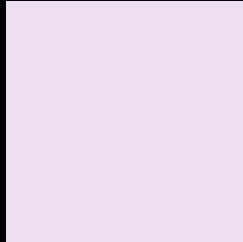
Large Text (above 18pt) WCAG AA × Fail

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 77.1308, 0.3108, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

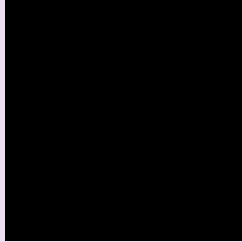
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

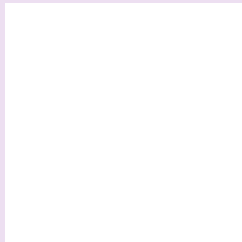
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1308, 0.3108, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 77.1308, 0.3108, 0.3106.



This preview shows how white text looks on a background with the Yxy color 77.1308, 0.3108, 0.3106.

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

77.1308, 0.3108, 0.3106

Protanopia

77.1947, 0.3026, 0.3113

Deuteranopia

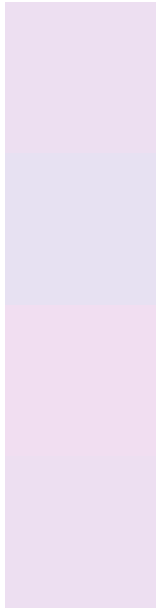
77.1185, 0.3151, 0.3088



Tritanopia

77.1308, 0.3108, 0.3106

Trichromacy



Original Color

77.1308, 0.3108, 0.3106

Protanomaly

77.2502, 0.3060, 0.3114

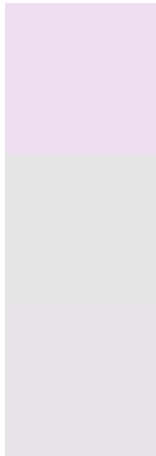
Deuteranomaly

77.2942, 0.3136, 0.3097

Tritanomaly

77.1308, 0.3108, 0.3106

Monochromacy



Original Color

77.1308, 0.3108, 0.3106

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.9772, 0.3123, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1308, 0.3108, 0.3106 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(237, 223, 241)` looks like.

```
.text, #text, p{  
    color:rgb(237, 223, 241)  
}
```

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(237, 223, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 223, 241) }
```

Border

The CSS property to change the border of an element to Yxy 77.1308, 0.3108, 0.3106 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(237, 223, 241) }
```

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

```
.border{ border-color:rgb(237, 223, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 223, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 223, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 223, 241);  
box-shadow:4px 4px 4px 4px rgb(237, 223,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1308, 0.3108, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 223, 241) }
```

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

```
.background{ background-color: rgb(237,  
223, 241) }
```

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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