

Converting Colors

$Y_{xy}(70.0952, 0.3077, 0.2977)$

Have a look what the booklet for
Yxy(70.0952, 0.3077, 0.2977)
contains.

Yxy(70.0952, 0.3077, 0.2977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.0952, 0.3077, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	E8D3F1
RGB	232, 211, 241
RGB Percent	91%, 83%, 95%
CMY	0.0901, 0.1725, 0.0550
CMYK	0.04, 0.12, 0.00, 0.05
HSL	282°, 52%, 89%
HSV	282°, 12%, 95%
XYZ	72.4498, 70.0952, 92.9109
YIQ	220.6990, 2.8860, 13.7820

Conversions

Conversions Part 2

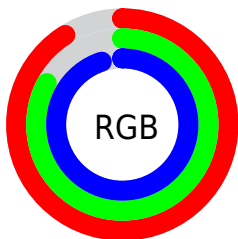
Format	Color
R _Y B	232, 211, 241
Decimal	15258609
CIE Lab	87.04, 12.59, -12.04
CIE LCh	87, 17.417, 316.278
Yxy	70.0952, 0.3077, 0.2977
Android (android.graphics.Color)	4293448689 (0xFFE8D3F1)
YUV	220.6990, 10.0084, 9.9110
Hunter-Lab	83.7229, 7.9503, -7.1906

Details

The Yxy color $70.0952, 0.3077, 0.2977$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $82.8109, 0.3171, 0.3611$, and the grayscale version is $72.0134, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.5098, 0.3060, 0.2898$ is the 20% darker color. If you saturate the color by 10%, you get $57.8269, 0.3028, 0.2710$, and if you desaturate by 10%, it is $84.2137, 0.3118, 0.3231$.

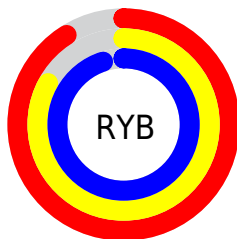
Distribution



Red (91%)

Green (83%)

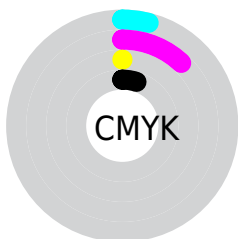
Blue (95%)



Red (91%)

Yellow (83%)

Blue (95%)

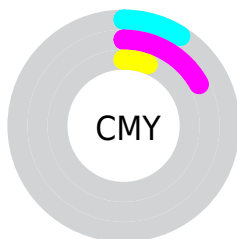


Cyan (4%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (9%)


Magenta (17%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0952, 0.3077, 0.2977 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 70.0952, 0.3077, 0.2977 by changing the saturation by 10% instead.


 70.0952, 0.3077,
0.2977

 70.0952, 0.3077,
0.2977

460.8842, 0.3102,
0.3120

 51.6042, 0.3071,
0.2945


119.3445, 0.3086,
0.3026

 36.6896, 0.3064,
0.2906


150.8716, 0.3089,
0.3045

 24.9673, 0.3054,
0.2856


187.5127, 0.3092,
0.3062

 16.0527, 0.3040,
0.2793

229.6524, 0.3095,
0.3076

 9.5614, 0.3022,
0.2707

277.6750, 0.3097,
0.3089

 5.1092, 0.2993,
0.2586

331.9649, 0.3099,

 2.3115, 0.2945,

0.3100

0.2404

392.9065, 0.3100,
0.3110

0.7798, 0.2854,
0.2088

0.0000, 0.0000,
0.0000

70.0952, 0.3077,
0.2977

70.0952, 0.3077,
0.2977

57.8269, 0.3028,
0.2710

84.2137, 0.3118,
0.3231

47.3197, 0.2971,
0.2435

97.5396, 0.3155,
0.3427

38.4904, 0.2905,
0.2161

98.8713, 0.3200,
0.3425

31.2454, 0.2832,
0.1898

99.1295, 0.3209,
0.3425

■ 25.4818, 0.2754,
0.1658

■ 21.0843, 0.2673,
0.1453

■ 17.9201, 0.2590,
0.1293

■ 15.8288, 0.2511,
0.1182

■ 14.7739, 0.2453,
0.1125

Harmonies

Analogous

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



70.0952, 0.2882, 0.2934



70.0952, 0.3077, 0.2977



70.0952, 0.3292, 0.3096

Triad

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



70.0952, 0.3077, 0.2977



70.0952, 0.3511, 0.3592



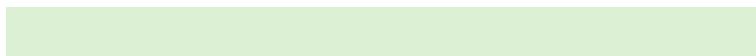
70.0952, 0.2797, 0.3302

Complementary

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



70.0952, 0.3077, 0.2977



82.8109, 0.3171, 0.3611

Split Complementary

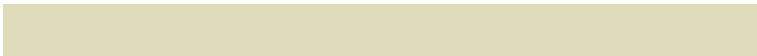
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0952, 0.2957, 0.3496



70.0952, 0.3077, 0.2977



70.0952, 0.3369, 0.3664

Square

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



70.0952, 0.3077, 0.2977



70.0952, 0.3547, 0.3444



70.0952, 0.3166, 0.3631



70.0952, 0.2725, 0.3113

Rectangle

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



70.0952, 0.3077, 0.2977



70.0952, 0.3416, 0.3205



70.0952, 0.3166, 0.3631



70.0952, 0.2842, 0.3369

Sweetspot

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



70.0982, 0.3077, 0.2977



93.0899, 0.3112, 0.3192



71.3835, 0.2932, 0.3062



19.6553, 0.3109, 0.3173



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.



70.0982, 0.3077, 0.2977



75.8714, 0.3065, 0.2908



71.2846, 0.3183, 0.3043



15.7803, 0.3090, 0.3054



8.0867, 0.2465, 0.1132



0.7241, 0.2566, 0.1187

Inverse Universe

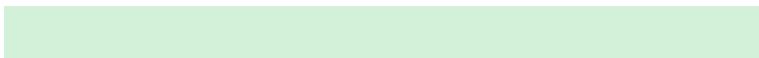
The Inverse Universe completely reimagines the original color for something new.



70.4531, 0.3288, 0.3197



76.3689, 0.3328, 0.3176



81.7560, 0.3076, 0.3550



15.8366, 0.3246, 0.3220



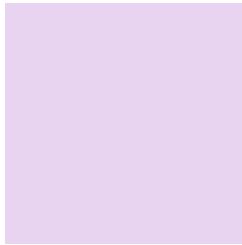
10.4160, 0.5765, 0.2949



0.8834, 0.5392, 0.2744

Previews

White Background



This preview shows how the Yxy color 70.0952, 0.3077, 0.2977 looks on a white background.

Color Contrast Check

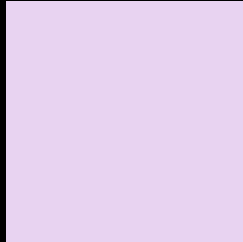
Large Text (above 18pt) WCAG AA × Fail

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 70.0952, 0.3077, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

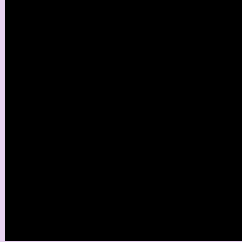
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

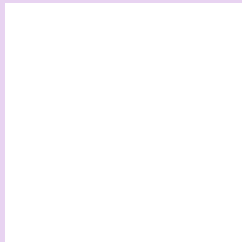
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0952, 0.3077, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 70.0952, 0.3077, 0.2977.



This preview shows how white text looks on a background with the Yxy color 70.0952, 0.3077, 0.2977.

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

70.0952, 0.3077, 0.2977

Protanopia

70.4535, 0.2932, 0.3000

Deuteranopia

70.0959, 0.3055, 0.2985



Tritanopia

70.1247, 0.3136, 0.3110

Trichromacy



Original Color

70.0952, 0.3077, 0.2977

Protanomaly

70.4441, 0.2986, 0.2992

Deuteranomaly

70.2608, 0.3062, 0.2986

Tritanomaly

70.0164, 0.3116, 0.3058

Monochromacy



Original Color

70.0952, 0.3077, 0.2977

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.2347, 0.3111, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0952, 0.3077, 0.2977 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(232, 211, 241)` looks like.

```
.text, #text, p{  
    color:rgb(232, 211, 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(232, 211, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 211, 241) }
```

Border

The CSS property to change the border of an element to Yxy 70.0952, 0.3077, 0.2977 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(232, 211, 241) }
```

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

```
.border{ border-color:rgb(232, 211, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 211, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 211, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 211, 241); box-shadow:4px 4px 4px 4px rgb(232, 211, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0952, 0.3077, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 211, 241) }
```

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

```
.background{ background-color: rgb(232,  
211, 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](#).

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