

Converting Colors

$Y_{xy}(70.8899, 0.3051, 0.2901)$

Have a look what the booklet for
Yxy(70.8899, 0.3051, 0.2901)
contains.

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Color

Yxy(71.0280, 0.3052, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	EBD3F8
RGB	235, 211, 248
RGB Percent	92%, 83%, 97%
CMY	0.0784, 0.1725, 0.0276
CMYK	0.05, 0.15, 0.00, 0.03
HSL	279°, 72%, 90%
HSV	279°, 15%, 97%
XYZ	74.4940, 71.0280, 98.5605
YIQ	222.3940, 2.4270, 16.5950

Conversions

Conversions Part 2

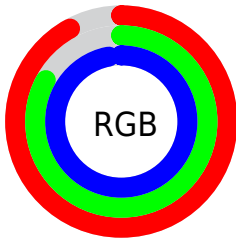
Format	Color
R _Y B	235, 211, 248
Decimal	15455224
CIE Lab	87.50, 14.88, -15.02
CIE LCh	87, 21.146, 314.730
Yxy	71.0280, 0.3052, 0.2910
Android (android.graphics.Color)	4293645304 (0xFFEBD3F8)
YUV	222.3940, 12.6238, 11.0555
Hunter-Lab	84.2781, 10.2906, -10.3430

Details

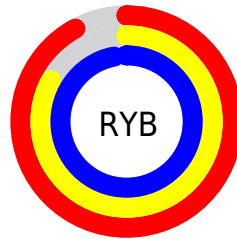
The Yxy color **71.0280, 0.3052, 0.2910** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.6595, 0.3192, 0.3679**, and the grayscale version is **73.2486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1664, 0.3028, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **58.2009, 0.2990, 0.2637**, and if you desaturate by 10%, it is **85.8339, 0.3105, 0.3169**.

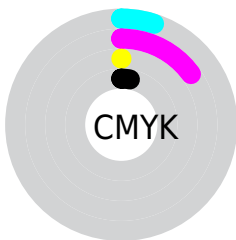
Distribution



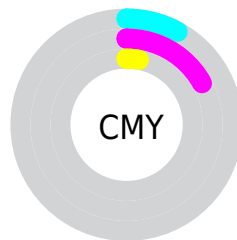
- Red (92%)
- Green (83%)
- Blue (97%)



- Red (92%)
- Yellow (83%)
- Blue (97%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)





- Cyan (8%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0280, 0.3052, 0.2910 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 71.0280, 0.3052, 0.2910 by changing the saturation by 10% instead.


 71.0280, 0.3052,
0.2910

 71.0280, 0.3052,
0.2910


464.1513, 0.3089,
0.3082

 52.3650, 0.3043,
0.2872


120.6736, 0.3065,
0.2969

 37.2961, 0.3032,
0.2825


152.4250, 0.3070,
0.2992

 25.4369, 0.3018,
0.2767


189.3081, 0.3074,
0.3012

 16.4028, 0.2999,
0.2691

231.7071, 0.3078,
0.3029

 9.8097, 0.2971,
0.2591

280.0066, 0.3081,
0.3045

 5.2729, 0.2931,
0.2452

334.5908, 0.3084,

 2.4083, 0.2864,

0.3058

0.2245

395.8443, 0.3087,
0.3071

0.8301, 0.2738,
0.1907

0.0000, 0.1179,
0.0000

71.0280, 0.3052,
0.2910

71.0280, 0.3052,
0.2910

58.2009, 0.2990,
0.2637

85.8339, 0.3105,
0.3169

47.2557, 0.2919,
0.2355

99.0649, 0.3152,
0.3358

38.1007, 0.2838,
0.2075

99.5551, 0.3168,
0.3357

30.6331, 0.2749,
0.1808

■ 24.7390, 0.2655,
0.1565

■ 20.2902, 0.2559,
0.1361

■ 17.1377, 0.2463,
0.1203

■ 15.0983, 0.2373,
0.1096

■ 14.3508, 0.2328,
0.1056

Harmonies

Analogous

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



71.0280, 0.2821, 0.2863



71.0280, 0.3052, 0.2910



71.0280, 0.3313, 0.3048

Triad

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



71.0280, 0.3052, 0.2910



71.0280, 0.3596, 0.3646



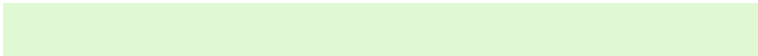
71.0280, 0.2738, 0.3316

Complementary

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



71.0280, 0.3052, 0.2910



87.6595, 0.3192, 0.3679

Split Complementary

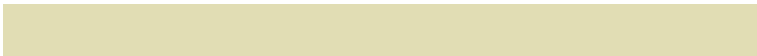
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0280, 0.2933, 0.3551



71.0280, 0.3052, 0.2910



71.0280, 0.3430, 0.3742

Square

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



71.0280, 0.3052, 0.2910



71.0280, 0.3635, 0.3462



71.0280, 0.3186, 0.3711



71.0280, 0.2645, 0.3084

Rectangle

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



71.0280, 0.3052, 0.2910



71.0280, 0.3467, 0.3176



71.0280, 0.3186, 0.3711



71.0280, 0.2793, 0.3398

Sweetspot

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



71.0310, 0.3052, 0.2910



92.9916, 0.3109, 0.3192



74.2382, 0.2891, 0.3040



19.6304, 0.3105, 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.



71.0310, 0.3052, 0.2910



71.2033, 0.3034, 0.2826



73.0167, 0.3178, 0.2968



17.2021, 0.3082, 0.3052



7.8361, 0.2342, 0.1064



0.7849, 0.2446, 0.1121

Inverse Universe

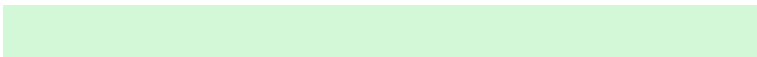
The Inverse Universe completely reimagines the original color for something new.



71.9237, 0.3312, 0.3158



72.3572, 0.3359, 0.3128



85.9179, 0.3080, 0.3634



17.3258, 0.3239, 0.3207



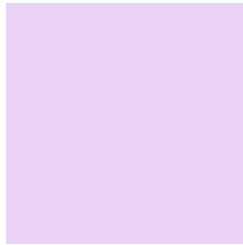
11.1761, 0.5578, 0.2846



1.0544, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 71.0280, 0.3052, 0.2910 looks on a white background.

Color Contrast Check

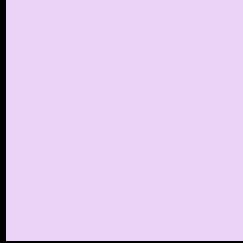
Large Text (above 18pt) WCAG AA × Fail

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 71.0280, 0.3052, 0.2910 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 71.0280, 0.3052, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 71.0280, 0.3052, 0.2910.



This preview shows how white text looks on a background with the Yxy color 71.0280, 0.3052, 0.2910.

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

71.0280, 0.3052, 0.2910

Protanopia

71.3172, 0.2877, 0.2928

Deuteranopia

71.3025, 0.3009, 0.2946



Tritanopia

71.0185, 0.3143, 0.3111

Trichromacy



Original Color

71.0280, 0.3052, 0.2910

Protanomaly

70.9381, 0.2936, 0.2911

Deuteranomaly

71.2928, 0.3030, 0.2937

Tritanomaly

71.0266, 0.3110, 0.3039

Monochromacy



Original Color

71.0280, 0.3052, 0.2910

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.2432, 0.3105, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0280, 0.3052, 0.2910 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, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(235, 211, 248)  
}
```

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, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 211, 248) }
```

Border

The CSS property to change the border of an element to Yxy 71.0280, 0.3052, 0.2910 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, 211, 248) }
```

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

```
.border{ border-color:rgb(235, 211, 248) }
```

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

Here you see how a box with a 4 pixel rgb(235, 211, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(235, 211,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0280, 0.3052, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 211, 248) }
```

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

```
.background{ background-color: rgb(235,  
211, 248) }
```

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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