

Converting Colors

$Y_{xy}(72.8160, 0.3068, 0.2886)$

Have a look what the booklet for
Yxy(72.8160, 0.3068, 0.2886)
contains.

Yxy(72.8160, 0.3068, 0.2886)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8160, 0.3068, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	F1D4FC
RGB	241, 212, 252
RGB Percent	95%, 83%, 99%
CMY	0.0546, 0.1687, 0.0117
CMYK	0.04, 0.16, 0.00, 0.01
HSL	284°, 87%, 91%
HSV	284°, 16%, 99%
XYZ	77.4080, 72.8160, 102.0837
YIQ	225.2310, 4.4440, 18.5880

Conversions

Conversions Part 2

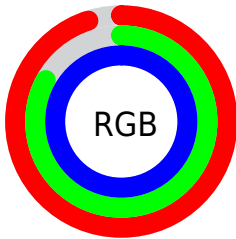
Format	Color
R _Y B	241, 212, 252
Decimal	15848700
CIE Lab	88.36, 17.10, -15.82
CIE LCh	88, 23.296, 317.239
Yxy	72.8160, 0.3068, 0.2886
Android (android.graphics.Color)	4294038780 (0xFFFF1D4FC)
YUV	225.2310, 13.1971, 13.8294
Hunter-Lab	85.3323, 12.5923, -11.1965

Details

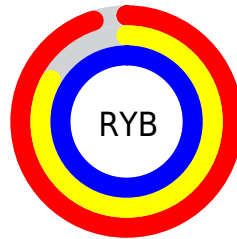
The Yxy color **72.8160, 0.3068, 0.2886** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.0613, 0.3176, 0.3710**, and the grayscale version is **75.3777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3684, 0.3057, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **59.9980, 0.3021, 0.2616**, and if you desaturate by 10%, it is **87.6526, 0.3107, 0.3145**.

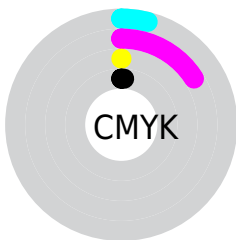
Distribution



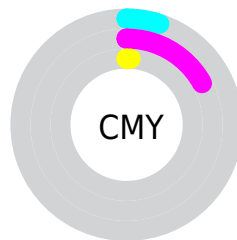
- Red (95%)
- Green (83%)
- Blue (99%)



- Red (95%)
- Yellow (83%)
- Blue (99%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)





- Cyan (5%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8160, 0.3068, 0.2886 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 72.8160, 0.3068, 0.2886 by changing the saturation by 10% instead.


 72.8160, 0.3068,
0.2886

 72.8160, 0.3068,
0.2886


470.3768, 0.3098,
0.3067

 53.8255, 0.3061,
0.2846


123.2160, 0.3079,
0.2948

 38.4622, 0.3052,
0.2797


155.3942, 0.3083,
0.2972

 26.3416, 0.3040,
0.2736


192.7372, 0.3086,
0.2993

 17.0794, 0.3024,
0.2659

235.6293, 0.3089,
0.3012

 10.2911, 0.3001,
0.2556

284.4550, 0.3092,
0.3028

 5.5924, 0.2967,
0.2414

339.5985, 0.3094,

 2.5988, 0.2910,

0.3043

0.2206

401.4443, 0.3096,
0.3056

0.9261, 0.2802,
0.1874

0.0000, 0.2124,
0.0000

72.8160, 0.3068,
0.2886

72.8160, 0.3068,
0.2886

59.9980, 0.3021,
0.2616

87.6526, 0.3107,
0.3145

49.0976, 0.2967,
0.2343

99.7815, 0.3143,
0.3318

40.0195, 0.2905,
0.2074

99.8094, 0.3144,
0.3318

32.6560, 0.2837,
0.1822

■ 26.8880, 0.2765,
0.1598

■ 22.5811, 0.2690,
0.1413

■ 19.5777, 0.2615,
0.1276

■ 17.6831, 0.2543,
0.1186

■ 17.1066, 0.2514,
0.1158

Harmonies

Analogous

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



72.8160, 0.2811, 0.2825



72.8160, 0.3068, 0.2886



72.8160, 0.3352, 0.3042

Triad

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



72.8160, 0.3068, 0.2886



72.8160, 0.3629, 0.3690



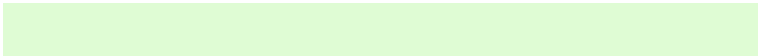
72.8160, 0.2689, 0.3295

Complementary

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



72.8160, 0.3068, 0.2886



90.0613, 0.3176, 0.3710

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.



72.8160, 0.2894, 0.3557



72.8160, 0.3068, 0.2886



72.8160, 0.3437, 0.3788

Square

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



72.8160, 0.3068, 0.2886



72.8160, 0.3685, 0.3495



72.8160, 0.3166, 0.3742



72.8160, 0.2600, 0.3046

Rectangle

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



72.8160, 0.3068, 0.2886



72.8160, 0.3517, 0.3184



72.8160, 0.3166, 0.3742



72.8160, 0.2746, 0.3385

Sweetspot

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



72.8191, 0.3068, 0.2886



91.4777, 0.3110, 0.3167



73.9725, 0.2873, 0.2985



19.3330, 0.3108, 0.3149



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.



72.8191, 0.3068, 0.2886



70.4604, 0.3054, 0.2803



74.2679, 0.3205, 0.2978



17.2719, 0.3094, 0.3053



8.9865, 0.2525, 0.1165



0.8848, 0.2610, 0.1211

Inverse Universe

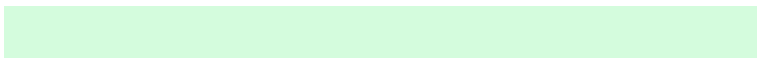
The Inverse Universe completely reimagines the original color for something new.



73.1001, 0.3349, 0.3179



70.8248, 0.3402, 0.3156



88.8279, 0.3058, 0.3623



17.3032, 0.3251, 0.3225



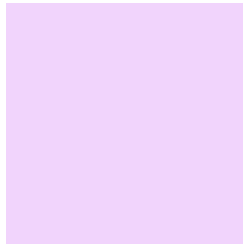
11.0250, 0.5857, 0.3000



1.0381, 0.5522, 0.2816

Previews

White Background



This preview shows how the Yxy color 72.8160, 0.3068, 0.2886 looks on a white background.

Color Contrast Check

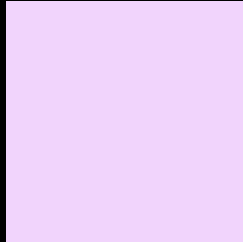
Large Text (above 18pt) WCAG AA × Fail

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 72.8160, 0.3068, 0.2886 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

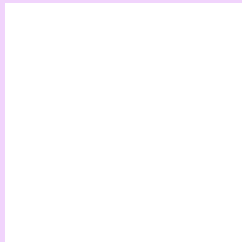
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8160, 0.3068, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 72.8160, 0.3068, 0.2886.



This preview shows how white text looks on a background with the Yxy color 72.8160, 0.3068, 0.2886.

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

72.8160, 0.3068, 0.2886

Protanopia

73.0053, 0.2880, 0.2922

Deuteranopia

72.8998, 0.2997, 0.2929



Tritanopia

72.6042, 0.3179, 0.3114

Trichromacy



Original Color

72.8160, 0.3068, 0.2886

Protanomaly

72.7890, 0.2945, 0.2906

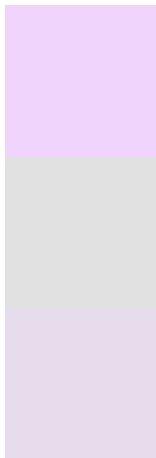
Deuteranomaly

73.0583, 0.3025, 0.2921

Tritanomaly

72.6759, 0.3139, 0.3033

Monochromacy



Original Color

72.8160, 0.3068, 0.2886

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.1735, 0.3106, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8160, 0.3068, 0.2886 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(241, 212, 252)` looks like.

```
.text, #text, p{  
    color:rgb(241, 212, 252)  
}
```

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(241, 212, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 212, 252) }
```

Border

The CSS property to change the border of an element to Yxy 72.8160, 0.3068, 0.2886 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(241, 212, 252) }
```

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

```
.border{ border-color:rgb(241, 212, 252) }
```

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

Here you see how a box with a 4 pixel rgb(241, 212, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 212, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 212, 252);  
box-shadow:4px 4px 4px 4px rgb(241, 212,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8160, 0.3068, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 212, 252) }
```

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

```
.background{ background-color: rgb(241,  
212, 252) }
```

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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