

Converting Colors

Yxy(67.9299, 0.3001, 0.2880)

Have a look what the booklet for
Yxy(67.9299, 0.3001, 0.2880)
contains.

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Color

Yxy(68.1580, 0.3002, 0.2881)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E3D0F7 |
| RGB | 227, 208, 247 |
| RGB Percent | 89%, 82%, 97% |
| CMY | 0.1098, 0.1843, 0.0314 |
| CMYK | 0.08, 0.16, 0.00, 0.03 |
| HSL | 269°, 71%, 89% |
| HSV | 269°, 16%, 97% |
| XYZ | 71.0206, 68.1580, 97.3990 |
| YIQ | 218.1270, -1.1950, 16.1570 |

Conversions

Conversions Part 2

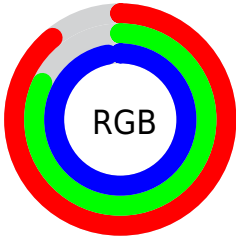
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 227, 208, 247 |
| Decimal | 14930167 |
| CIE Lab | 86.09, 13.69, -16.70 |
| CIE LCh | 86, 21.594, 309.358 |
| Yxy | 68.1580, 0.3002, 0.2881 |
| Android (android.graphics.Color) | 4293120247 (0xFFE3D0F7) |
| YUV | 218.1270, 14.2344, 7.7816 |
| Hunter-Lab | 82.5579, 9.0788, -12.1578 |

Details

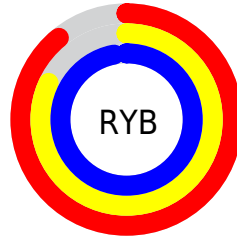
The Yxy color **68.1580, 0.3002, 0.2881** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5636, 0.3237, 0.3699**, and the grayscale version is **70.1050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5307, 0.2962, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **55.0553, 0.2906, 0.2597**, and if you desaturate by 10%, it is **83.2933, 0.3085, 0.3146**.

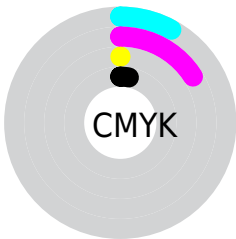
Distribution



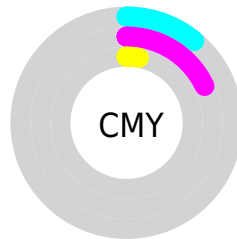
- Red (89%)
- Green (82%)
- Blue (97%)



- Red (89%)
- Yellow (82%)
- Blue (97%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1580, 0.3002, 0.2881 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 68.1580, 0.3002, 0.2881 by changing the saturation by 10% instead.

68.1580, 0.3002,
0.2881

68.1580, 0.3002,
0.2881

454.0556, 0.3062,
0.3067

50.0263, 0.2988,
0.2839

116.5781, 0.3023,
0.2945

35.4343, 0.2970,
0.2788

147.6354, 0.3032,
0.2970

23.9976, 0.2947,
0.2724

183.7699, 0.3039,
0.2992

15.3318, 0.2916,
0.2641

225.3661, 0.3045,
0.3011

9.0526, 0.2873,
0.2531

272.8084, 0.3050,
0.3027

4.7755, 0.2809,
0.2376

326.4811, 0.3054,

2.1162, 0.2705,

0.3042

0.2144

386.7687, 0.3059,
0.3055

0.6737, 0.2522,
0.1731

0.0000, 0.0000,
0.0000

68.1580, 0.3002,
0.2881

68.1580, 0.3002,
0.2881

55.0553, 0.2906,
0.2597

83.2933, 0.3085,
0.3146

43.8869, 0.2796,
0.2299

98.9922, 0.3157,
0.3367

34.5589, 0.2674,
0.1997

99.4948, 0.3174,
0.3367

26.9661, 0.2543,
0.1704

■ 20.9922, 0.2407,
0.1434

■ 16.5062, 0.2271,
0.1203

■ 13.3552, 0.2142,
0.1024

■ 11.3511, 0.2026,
0.0903

■ 10.7310, 0.1981,
0.0865

Harmonies

Analogous

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



68.1580, 0.2775, 0.2851



68.1580, 0.3002, 0.2881



68.1580, 0.3272, 0.3009

Triad

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



68.1580, 0.3002, 0.2881



68.1580, 0.3631, 0.3629



68.1580, 0.2754, 0.3362

Complementary

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



68.1580, 0.3002, 0.2881



87.5636, 0.3237, 0.3699

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.



68.1580, 0.2970, 0.3598



68.1580, 0.3002, 0.2881



68.1580, 0.3479, 0.3749

Square

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



68.1580, 0.3002, 0.2881



68.1580, 0.3644, 0.3428



68.1580, 0.3235, 0.3743



68.1580, 0.2637, 0.3116

Rectangle

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



68.1580, 0.3002, 0.2881



68.1580, 0.3439, 0.3134



68.1580, 0.3235, 0.3743



68.1580, 0.2817, 0.3446

Sweetspot

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



68.1609, 0.3002, 0.2881



90.9141, 0.3091, 0.3166



75.6943, 0.2879, 0.3088



19.1959, 0.3085, 0.3148



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.



68.1609, 0.3002, 0.2881



68.4762, 0.2972, 0.2790



71.4847, 0.3141, 0.2898



16.3229, 0.3056, 0.3051



5.7597, 0.1998, 0.0874



0.5672, 0.2134, 0.0949

Inverse Universe

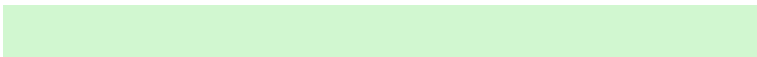
The Inverse Universe completely reimagines the original color for something new.



70.4892, 0.3279, 0.3085



71.4599, 0.3316, 0.3041



84.5751, 0.3111, 0.3715



16.6244, 0.3213, 0.3169



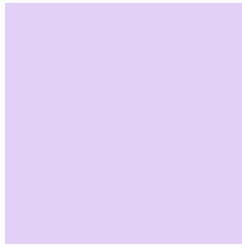
11.2926, 0.4906, 0.2476



1.0133, 0.4635, 0.2327

Previews

White Background



This preview shows how the Yxy color 68.1580, 0.3002, 0.2881 looks on a white background.

Color Contrast Check

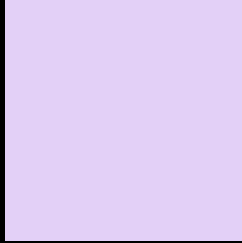
Large Text (above 18pt) WCAG AA × Fail

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 68.1580, 0.3002, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

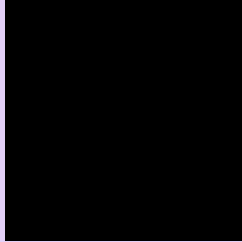
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1580, 0.3002, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 68.1580, 0.3002, 0.2881.



This preview shows how white text looks on a background with the Yxy color 68.1580, 0.3002, 0.2881.

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

68.1580, 0.3002, 0.2881

Protanopia

68.4681, 0.2849, 0.2891

Deuteranopia

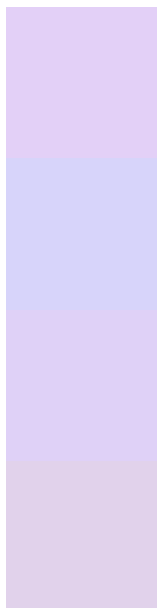
68.1807, 0.2960, 0.2897



Tritanopia

68.0373, 0.3106, 0.3106

Trichromacy



Original Color

68.1580, 0.3002, 0.2881

Protanomaly

68.4362, 0.2900, 0.2884

Deuteranomaly

68.0043, 0.2974, 0.2888

Tritanomaly

68.0989, 0.3067, 0.3023

Monochromacy



Original Color

68.1580, 0.3002, 0.2881

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.1224, 0.3077, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1580, 0.3002, 0.2881 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(227, 208, 247)` looks like.

```
.text, #text, p{  
    color:rgb(227, 208, 247)  
}
```

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(227, 208, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 208, 247) }
```

Border

The CSS property to change the border of an element to Yxy 68.1580, 0.3002, 0.2881 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(227, 208, 247) }
```

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

```
.border{ border-color:rgb(227, 208, 247) }
```

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

Here you see how a box with a 4 pixel rgb(227, 208, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 208, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 208, 247);  
box-shadow:4px 4px 4px 4px rgb(227, 208,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1580, 0.3002, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 208, 247) }
```

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

```
.background{ background-color: rgb(227,  
208, 247) }
```

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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