

Converting Colors

$Yxy(80.3689, 0.3050, 0.3042)$

Have a look what the booklet for
Yxy(80.3689, 0.3050, 0.3042)
contains.

Yxy(80.3172, 0.3051, 0.3039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.3172, 0.3051, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	EFE3FC
RGB	239, 227, 252
RGB Percent	94%, 89%, 99%
CMY	0.0627, 0.1098, 0.0118
CMYK	0.05, 0.10, 0.00, 0.01
HSL	269°, 81%, 94%
HSV	269°, 10%, 99%
XYZ	80.6343, 80.3172, 103.3367
YIQ	233.4380, -0.8730, 10.3190

Conversions

Conversions Part 2

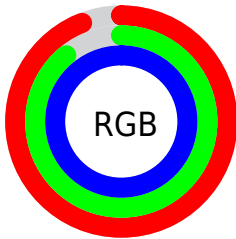
Format	Color
R _Y B	239, 227, 252
Decimal	15721468
CIE Lab	91.83, 8.56, -10.64
CIE LCh	92, 13.652, 308.822
Yxy	80.3172, 0.3051, 0.3039
Android (android.graphics.Color)	4293911548 (0xFFEFE3FC)
YUV	233.4380, 9.1511, 4.8779
Hunter-Lab	89.6199, 3.7684, -5.6308

Details

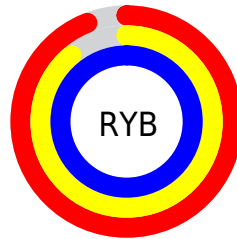
The Yxy color $80.3172, 0.3051, 0.3039$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $93.6836, 0.3198, 0.3541$, and the grayscale version is $81.7646, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5125, 0.3036, 0.2994$ is the 20% darker color. If you saturate the color by 10%, you get $65.3315, 0.2961, 0.2765$, and if you desaturate by 10%, it is $97.4923, 0.3128, 0.3292$.

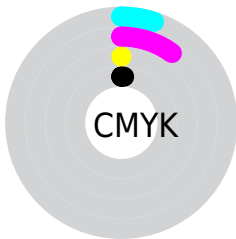
Distribution



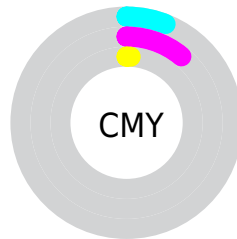
- Red (94%)
- Green (89%)
- Blue (99%)



- Red (94%)
- Yellow (89%)
- Blue (99%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)





- Cyan (6%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3172, 0.3051, 0.3039 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 80.3172, 0.3051, 0.3039 by changing the saturation by 10% instead.


 80.3172, 0.3051,
0.3039

 80.3172, 0.3051,
0.3039

496.0012, 0.3086,
0.3151

 59.9794, 0.3043,
0.3014


133.8116, 0.3063,
0.3077

 43.4020, 0.3033,
0.2984


167.7370, 0.3068,
0.3092

 30.2007, 0.3020,
0.2946


206.9604, 0.3072,
0.3105

 19.9910, 0.3004,
0.2898

251.8662, 0.3076,
0.3117

 12.3885, 0.2982,
0.2835

302.8388, 0.3079,
0.3127

 7.0088, 0.2950,
0.2747

360.2625, 0.3082,

 3.4676, 0.2900,

0.3136

0.2617

424.5219, 0.3084,
0.3144

■ 1.3805, 0.2814,
0.2407

■ 0.2023, 0.2560,
0.1291

■ 80.3172, 0.3051,
0.3039

■ 80.3172, 0.3051,
0.3039

■ 65.3315, 0.2961,
0.2765

■ 97.4923, 0.3128,
0.3292

■ 52.4342, 0.2858,
0.2473

■ 99.8075, 0.3145,
0.3319

■ 41.5313, 0.2741,
0.2171

■ 32.5179, 0.2613,
0.1870

■ 25.2787, 0.2477,
0.1583

■ 19.6856, 0.2339,
0.1326

■ 15.5924, 0.2203,
0.1115

■ 12.8253, 0.2078,
0.0959

■ 11.1042, 0.1967,
0.0858

Harmonies

Analogous

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



80.3172, 0.2913, 0.3024



80.3172, 0.3051, 0.3039



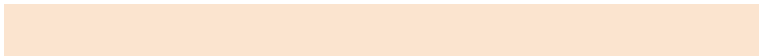
80.3172, 0.3212, 0.3117

Triad

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



80.3172, 0.3051, 0.3039



80.3172, 0.3429, 0.3495



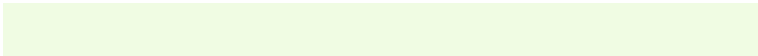
80.3172, 0.2904, 0.3338

Complementary

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



80.3172, 0.3051, 0.3039



93.6836, 0.3198, 0.3541

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.



80.3172, 0.3038, 0.3473



80.3172, 0.3051, 0.3039



80.3172, 0.3341, 0.3563

Square

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



80.3172, 0.3051, 0.3039



80.3172, 0.3434, 0.3376



80.3172, 0.3197, 0.3557



80.3172, 0.2830, 0.3192

Rectangle

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



80.3172, 0.3051, 0.3039



80.3172, 0.3312, 0.3194



80.3172, 0.3197, 0.3557



80.3172, 0.2943, 0.3386

Sweetspot

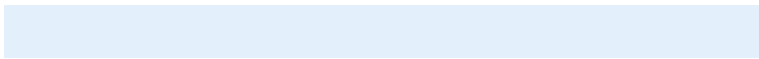
The Sweet Spot groups the original color and five complimentary colors.



80.3206, 0.3051, 0.3039



94.4693, 0.3105, 0.3216



85.8743, 0.2973, 0.3171



19.9115, 0.3099, 0.3196



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.



80.3206, 0.3051, 0.3039



79.1132, 0.3033, 0.2983



82.5078, 0.3133, 0.3045



17.0518, 0.3054, 0.3050



5.8649, 0.1984, 0.0866



0.6059, 0.2114, 0.0938

Inverse Universe

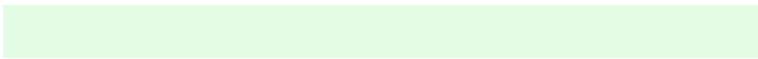
The Inverse Universe completely reimagines the original color for something new.



81.9263, 0.3216, 0.3162



81.0962, 0.3237, 0.3134



91.6273, 0.3120, 0.3547



17.3759, 0.3212, 0.3167



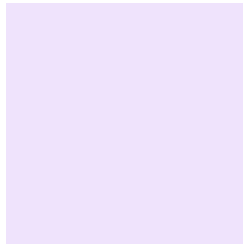
11.6643, 0.4878, 0.2461



1.1018, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 80.3172, 0.3051, 0.3039 looks on a white background.

Color Contrast Check

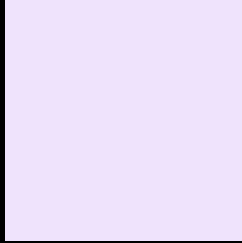
Large Text (above 18pt) WCAG AA × Fail

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 80.3172, 0.3051, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

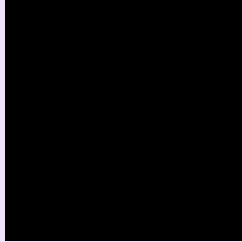
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3172, 0.3051, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 80.3172, 0.3051, 0.3039.

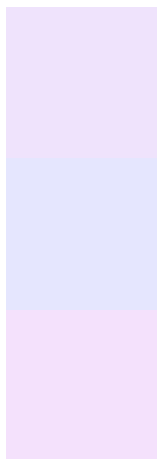


This preview shows how white text looks on a background with the Yxy color 80.3172, 0.3051, 0.3039.

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

80.3172, 0.3051, 0.3039

Protanopia

80.4074, 0.2973, 0.3045

Deuteranopia

80.1118, 0.3085, 0.3021



Tritanopia

80.3178, 0.3081, 0.3108

Trichromacy



Original Color

80.3172, 0.3051, 0.3039

Protanomaly

80.4541, 0.3005, 0.3047

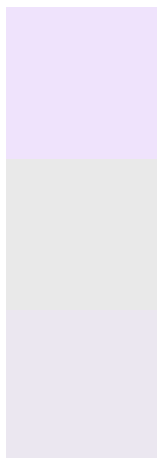
Deuteranomaly

80.2982, 0.3071, 0.3030

Tritanomaly

80.4413, 0.3069, 0.3088

Monochromacy



Original Color

80.3172, 0.3051, 0.3039

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.1053, 0.3098, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3172, 0.3051, 0.3039 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(239, 227, 252)` looks like.

```
.text, #text, p{  
    color:rgb(239, 227, 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(239, 227, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 227, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.3172, 0.3051, 0.3039 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(239, 227, 252) }
```

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

```
.border{ border-color:rgb(239, 227, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 227, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 227, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 227, 252); box-shadow:4px 4px 4px 4px rgb(239, 227, 252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3172, 0.3051, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 227, 252) }
```

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

```
.background{ background-color: rgb(239,  
227, 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](#).

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