

Converting Colors

$Y_{xy}(80.4043, 0.3002, 0.3020)$

Have a look what the booklet for
Yxy(80.4043, 0.3002, 0.3020)
contains.

Yxy(80.1992, 0.2999, 0.3017)	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(80.1992, 0.2999, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	EAE4FF
RGB	234, 228, 255
RGB Percent	92%, 89%, 100%
CMY	0.0825, 0.1058, 0.0000
CMYK	0.08, 0.11, 0.00, 0.00
HSL	253°, 100%, 95%
HSV	253°, 11%, 100%
XYZ	79.7207, 80.1992, 105.9044
YIQ	232.8720, -5.0910, 9.6690

Conversions

Conversions Part 2

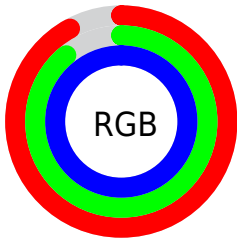
Format	Color
R _Y B	234, 228, 255
Decimal	15394047
CIE Lab	91.77, 6.99, -12.34
CIE LCh	92, 14.185, 299.531
Yxy	80.1992, 0.2999, 0.3017
Android (android.graphics.Color)	4293584127 (0xFFEAE4FF)
YUV	232.8720, 10.9091, 0.9893
Hunter-Lab	89.5540, 2.1807, -7.4271

Details

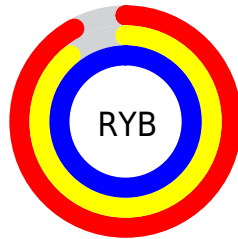
The Yxy color $80.1992, 0.2999, 0.3017$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $97.2690, 0.3247, 0.3555$, and the grayscale version is $81.3017, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4293, 0.2970, 0.2966$ is the 20% darker color. If you saturate the color by 10%, you get $64.0136, 0.2859, 0.2730$, and if you desaturate by 10%, it is $98.8349, 0.3121, 0.3276$.

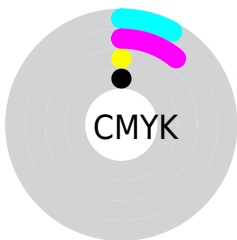
Distribution



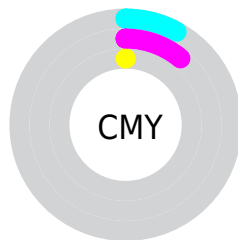
- Red (92%)
- Green (89%)
- Blue (100%)



- Red (92%)
- Yellow (89%)
- Blue (100%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1992, 0.2999, 0.3017 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 80.1992, 0.2999, 0.3017 by changing the saturation by 10% instead.

80.1992, 0.2999,
0.3017

80.1992, 0.2999,
0.3017

495.6039, 0.3058,
0.3139

59.8823, 0.2986,
0.2990

133.6458, 0.3019,
0.3059

43.3238, 0.2969,
0.2957

167.5442, 0.3027,
0.3075

30.1392, 0.2949,
0.2916

206.7386, 0.3034,
0.3089

19.9443, 0.2922,
0.2864

251.6134, 0.3040,
0.3102

12.3546, 0.2886,
0.2794

302.5529, 0.3045,
0.3113

6.9856, 0.2835,
0.2698

359.9415, 0.3050,

3.4531, 0.2757,

0.3123

0.2557

424.1638, 0.3054,
0.3131

■ 1.3726, 0.2625,
0.2329

■ 0.1964, 0.2186,
0.1201

■ 80.1992, 0.2999,
0.3017

■ 80.1992, 0.2999,
0.3017

■ 64.0136, 0.2859,
0.2730

98.8349, 0.3121,
0.3276

■ 50.1697, 0.2702,
0.2417

100.0000, 0.3127,
0.3290

■ 38.5594, 0.2528,
0.2086

■ 29.0640, 0.2343,
0.1749

■ 21.5534, 0.2155,
0.1426

■ 15.8827, 0.1976,
0.1137

■ 11.8871, 0.1817,
0.0905

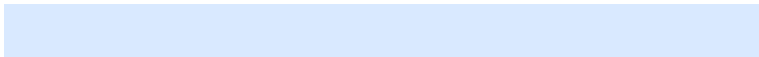
■ 9.3708, 0.1690,
0.0744

■ 8.0701, 0.1603,
0.0657

Harmonies

Analogous

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



80.1992, 0.2872, 0.3023



80.1992, 0.2999, 0.3017



80.1992, 0.3164, 0.3079

Triad

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



80.1992, 0.2999, 0.3017



80.1992, 0.3452, 0.3469



80.1992, 0.2933, 0.3387

Complementary

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



80.1992, 0.2999, 0.3017



97.2690, 0.3247, 0.3555

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.



80.1992, 0.3084, 0.3515



80.1992, 0.2999, 0.3017



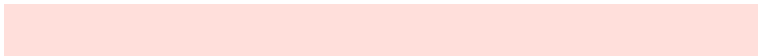
80.1992, 0.3386, 0.3560

Square

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



80.1992, 0.2999, 0.3017



80.1992, 0.3429, 0.3335



80.1992, 0.3250, 0.3579



80.1992, 0.2834, 0.3233

Rectangle

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



80.1992, 0.2999, 0.3017



80.1992, 0.3273, 0.3151



80.1992, 0.3250, 0.3579



80.1992, 0.2979, 0.3435

Sweetspot

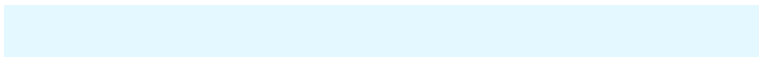
The Sweet Spot groups the original color and five complimentary colors.



80.2011, 0.2999, 0.3017



94.1028, 0.3093, 0.3216



91.5616, 0.2963, 0.3231



19.8128, 0.3083, 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.



80.2011, 0.2999, 0.3017



76.0692, 0.2967, 0.2950



82.5518, 0.3088, 0.3025



17.5711, 0.3013, 0.3047



4.2699, 0.1615, 0.0663



0.4613, 0.1718, 0.0720

Inverse Universe

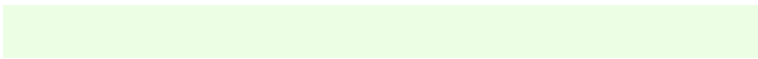
The Inverse Universe completely reimagines the original color for something new.



83.5953, 0.3178, 0.3085



80.1803, 0.3190, 0.3037



94.8965, 0.3162, 0.3562



18.2276, 0.3172, 0.3107



13.2790, 0.3863, 0.1902



1.3091, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 80.1992, 0.2999, 0.3017 looks on a white background.

Color Contrast Check

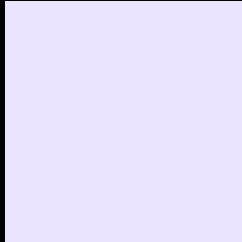
Large Text (above 18pt) WCAG AA × Fail

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 80.1992, 0.2999, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

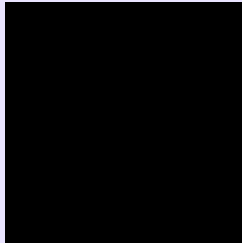
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1992, 0.2999, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 80.1992, 0.2999, 0.3017.

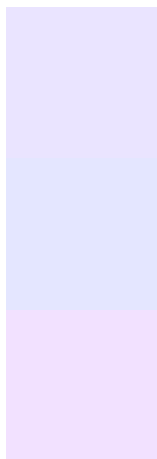


This preview shows how white text looks on a background with the Yxy color 80.1992, 0.2999, 0.3017.

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

80.1992, 0.2999, 0.3017

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

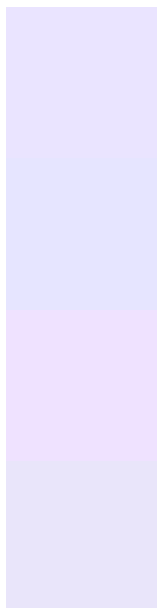
79.9477, 0.3053, 0.2991



Tritanopia

80.0777, 0.3041, 0.3106

Trichromacy



Original Color

80.1992, 0.2999, 0.3017

Protanomaly

80.0816, 0.2973, 0.3025

Deuteranomaly

79.9634, 0.3033, 0.3000

Tritanomaly

80.2644, 0.3023, 0.3076

Monochromacy



Original Color

80.1992, 0.2999, 0.3017

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.8263, 0.3078, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1992, 0.2999, 0.3017 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(234, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 228, 255)  
}
```

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(234, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1992, 0.2999, 0.3017 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(234, 228, 255) }
```

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

```
.border{ border-color:rgb(234, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1992, 0.2999, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 228, 255) }
```

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

```
.background{ background-color: rgb(234,  
228, 255) }
```

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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