

Converting Colors

$Yxy(80.1597, 0.2989, 0.3021)$

Have a look what the booklet for
Yxy(80.1597, 0.2989, 0.3021)
contains.

Yxy(79.8626, 0.2986, 0.3016)	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(79.8626, 0.2986, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	E8E4FF
RGB	232, 228, 255
RGB Percent	91%, 89%, 100%
CMY	0.0903, 0.1058, 0.0000
CMYK	0.09, 0.11, 0.00, 0.00
HSL	249°, 100%, 95%
HSV	249°, 11%, 100%
XYZ	79.0682, 79.8626, 105.8656
YIQ	232.2740, -6.2830, 9.2450

Conversions

Conversions Part 2

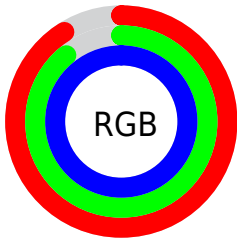
Format	Color
R _Y B	232, 228, 255
Decimal	15262975
CIE Lab	91.62, 6.35, -12.58
CIE LCh	92, 14.091, 296.795
Yxy	79.8626, 0.2986, 0.3016
Android (android.graphics.Color)	4293453055 (0xFFE8E4FF)
YUV	232.2740, 11.2039, -0.2403
Hunter-Lab	89.3659, 1.5411, -7.6807

Details

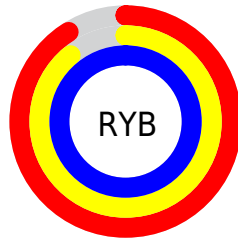
The Yxy color **79.8626, 0.2986, 0.3016** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.6371, 0.3260, 0.3554**, and the grayscale version is **80.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1945, 0.2953, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **63.4365, 0.2833, 0.2726**, and if you desaturate by 10%, it is **98.8134, 0.3120, 0.3276**.

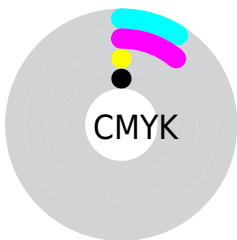
Distribution



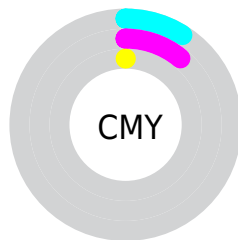
- Red (91%)
- Green (89%)
- Blue (100%)



- Red (91%)
- Yellow (89%)
- Blue (100%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8626, 0.2986, 0.3016 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 79.8626, 0.2986, 0.3016 by changing the saturation by 10% instead.

79.8626, 0.2986,
0.3016

79.8626, 0.2986,
0.3016

494.4697, 0.3051,
0.3139

59.6053, 0.2971,
0.2989

133.1725, 0.3008,
0.3058

43.1006, 0.2953,
0.2956

166.9940, 0.3017,
0.3074

29.9640, 0.2931,
0.2914

206.1055, 0.3025,
0.3089

19.8113, 0.2902,
0.2862

250.8917, 0.3031,
0.3101

12.2579, 0.2862,
0.2792

301.7368, 0.3037,
0.3112

6.9196, 0.2806,
0.2695

359.0252, 0.3042,

3.4119, 0.2721,

0.3122

0.2551

423.1414, 0.3047,
0.3131

■ 1.3504, 0.2577,
0.2320

■ 0.1797, 0.2056,
0.1134

■ 79.8626, 0.2986,
0.3016

■ 79.8626, 0.2986,
0.3016

■ 63.4365, 0.2833,
0.2726

98.8134, 0.3120,
0.3276

■ 49.4208, 0.2661,
0.2407

100.0000, 0.3127,
0.3290

■ 37.7039, 0.2473,
0.2068

■ 28.1622, 0.2275,
0.1723

■ 20.6604, 0.2078,
0.1391

■ 15.0480, 0.1894,
0.1097

■ 11.1532, 0.1738,
0.0863

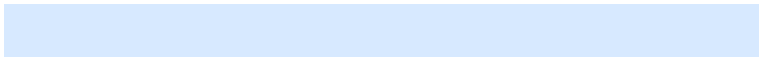
■ 8.7726, 0.1621,
0.0707

■ 7.6226, 0.1549,
0.0627

Harmonies

Analogous

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



79.8626, 0.2864, 0.3029



79.8626, 0.2986, 0.3016



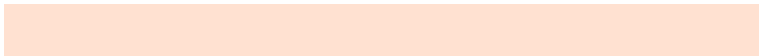
79.8626, 0.3148, 0.3072

Triad

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



79.8626, 0.2986, 0.3016



79.8626, 0.3452, 0.3457



79.8626, 0.2946, 0.3399

Complementary

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



79.8626, 0.2986, 0.3016



97.6371, 0.3260, 0.3554

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.



79.8626, 0.3100, 0.3523



79.8626, 0.2986, 0.3016



79.8626, 0.3394, 0.3553

Square

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



79.8626, 0.2986, 0.3016



79.8626, 0.3421, 0.3321



79.8626, 0.3264, 0.3579



79.8626, 0.2842, 0.3247

Rectangle

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



79.8626, 0.2986, 0.3016



79.8626, 0.3258, 0.3141



79.8626, 0.3264, 0.3579



79.8626, 0.2993, 0.3446

Sweetspot

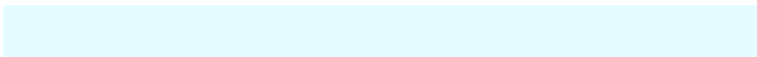
The Sweet Spot groups the original color and five complimentary colors.



79.8651, 0.2986, 0.3016



93.9992, 0.3089, 0.3216



92.9612, 0.2963, 0.3254



19.7849, 0.3079, 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.



79.8651, 0.2986, 0.3016



75.6691, 0.2951, 0.2949



82.1439, 0.3073, 0.3023



17.5059, 0.3001, 0.3046



4.0212, 0.1558, 0.0632



0.4278, 0.1643, 0.0679

Inverse Universe

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



83.7197, 0.3165, 0.3066



80.3329, 0.3174, 0.3014



95.2831, 0.3176, 0.3561



18.2517, 0.3161, 0.3090



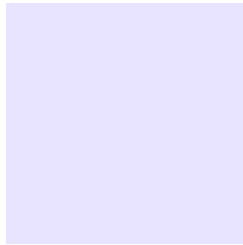
13.7577, 0.3621, 0.1768



1.3515, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 79.8626, 0.2986, 0.3016 looks on a white background.

Color Contrast Check

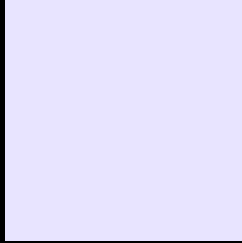
Large Text (above 18pt) WCAG AA × Fail

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 79.8626, 0.2986, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

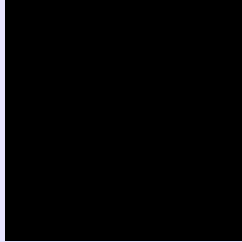
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8626, 0.2986, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 79.8626, 0.2986, 0.3016.



This preview shows how white text looks on a background with the Yxy color 79.8626, 0.2986, 0.3016.

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

79.8626, 0.2986, 0.3016

Protanopia

79.7526, 0.2960, 0.3024

Deuteranopia

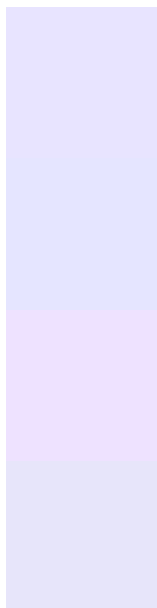
79.9477, 0.3053, 0.2991



Tritanopia

79.7429, 0.3028, 0.3105

Trichromacy



Original Color

79.8626, 0.2986, 0.3016

Protanomaly

79.9166, 0.2967, 0.3025

Deuteranomaly

79.7899, 0.3026, 0.2999

Tritanomaly

79.9297, 0.3010, 0.3075

Monochromacy



Original Color

79.8626, 0.2986, 0.3016

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.5989, 0.3078, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8626, 0.2986, 0.3016 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(232, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.8626, 0.2986, 0.3016 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(232, 228, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8626, 0.2986, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 228, 255) }
```

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

```
.background{ background-color: rgb(232,  
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](#).

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