

Converting Colors

Yxy(80.4641, 0.2984, 0.3028)

Have a look what the booklet for
Yxy(80.4641, 0.2984, 0.3028)
contains.

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Color

Yxy(80.4144, 0.2986, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	E8E5FF
RGB	232, 229, 255
RGB Percent	91%, 90%, 100%
CMY	0.0902, 0.1020, 0.0000
CMYK	0.09, 0.10, 0.00, 0.00
HSL	247°, 100%, 95%
HSV	247°, 10%, 100%
XYZ	79.3514, 80.4144, 105.9791
YIQ	232.8610, -6.5580, 8.7220

Conversions

Conversions Part 2

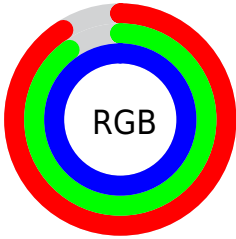
Format	Color
R _Y B	232, 229, 255
Decimal	15263231
CIE Lab	91.87, 5.85, -12.22
CIE LCh	92, 13.549, 295.566
Yxy	80.4144, 0.2986, 0.3026
Android (android.graphics.Color)	4293453311 (0xFFE8E5FF)
YUV	232.8610, 10.9145, -0.7551
Hunter-Lab	89.6741, 1.0227, -7.2985

Details

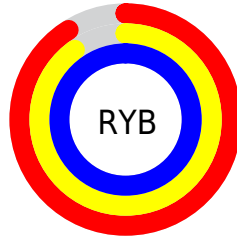
The Yxy color $80.4144, 0.2986, 0.3026$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $97.8740, 0.3260, 0.3544$, and the grayscale version is $81.2951, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5794, 0.2954, 0.2977$ is the 20% darker color. If you saturate the color by 10%, you get $63.7881, 0.2828, 0.2736$, and if you desaturate by 10%, it is $99.5998, 0.3125, 0.3285$.

Distribution



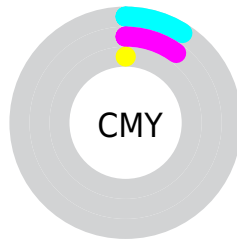
- Red (91%)
- Green (90%)
- Blue (100%)



- Red (91%)
- Yellow (90%)
- Blue (100%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4144, 0.2986, 0.3026 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 80.4144, 0.2986, 0.3026 by changing the saturation by 10% instead.

80.4144, 0.2986,
0.3026

80.4144, 0.2986,
0.3026

496.3283, 0.3051,
0.3144

60.0594, 0.2971,
0.3000

133.9482, 0.3008,
0.3066

43.4665, 0.2954,
0.2968

167.8958, 0.3017,
0.3082

30.2513, 0.2931,
0.2928

207.1431, 0.3024,
0.3096

20.0294, 0.2902,
0.2877

252.0744, 0.3031,
0.3108

12.4164, 0.2863,
0.2810

303.0742, 0.3037,
0.3119

7.0280, 0.2808,
0.2716

360.5269, 0.3042,

3.4796, 0.2724,

0.3128

0.2579

424.8168, 0.3046,
0.3137

■ 1.3869, 0.2582,
0.2356

■ 0.2071, 0.2082,
0.1269

■ 80.4144, 0.2986,
0.3026

■ 80.4144, 0.2986,
0.3026

■ 63.7881, 0.2828,
0.2736

99.5998, 0.3125,
0.3285

■ 49.6100, 0.2651,
0.2416

100.0000, 0.3127,
0.3290

■ 37.7649, 0.2457,
0.2075

■ 28.1272, 0.2255,
0.1726

■ 20.5597, 0.2054,
0.1390

■ 14.9094, 0.1869,
0.1092

■ 11.0022, 0.1714,
0.0855

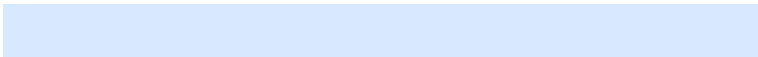
■ 8.6318, 0.1600,
0.0698

■ 7.4865, 0.1533,
0.0618

Harmonies

Analogous

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



80.4144, 0.2871, 0.3042



80.4144, 0.2986, 0.3026



80.4144, 0.3141, 0.3077

Triad

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



80.4144, 0.2986, 0.3026



80.4144, 0.3439, 0.3445



80.4144, 0.2959, 0.3401

Complementary

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



80.4144, 0.2986, 0.3026



97.8740, 0.3260, 0.3544

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.



80.4144, 0.3108, 0.3517



80.4144, 0.2986, 0.3026



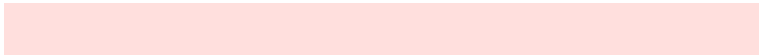
80.4144, 0.3387, 0.3539

Square

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



80.4144, 0.2986, 0.3026



80.4144, 0.3406, 0.3315



80.4144, 0.3265, 0.3568



80.4144, 0.2856, 0.3255

Rectangle

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



80.4144, 0.2986, 0.3026



80.4144, 0.3247, 0.3142



80.4144, 0.3265, 0.3568



80.4144, 0.3005, 0.3445

Sweetspot

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



80.4152, 0.2986, 0.3026



93.9545, 0.3088, 0.3216



93.7509, 0.2969, 0.3264



19.7729, 0.3077, 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.



80.4152, 0.2986, 0.3026



77.2280, 0.2959, 0.2976



82.6009, 0.3069, 0.3033



17.4779, 0.2996, 0.3045



3.9434, 0.1540, 0.0622



0.4147, 0.1612, 0.0662

Inverse Universe

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



84.3288, 0.3158, 0.3067



81.7817, 0.3164, 0.3027



95.5980, 0.3180, 0.3550



18.2622, 0.3156, 0.3082



13.9820, 0.3523, 0.1715



1.3712, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 80.4144, 0.2986, 0.3026 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 80.4144, 0.2986, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

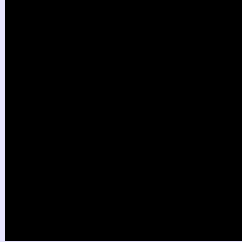
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4144, 0.2986, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 80.4144, 0.2986, 0.3026.



This preview shows how white text looks on a background with the Yxy color 80.4144, 0.2986, 0.3026.

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

80.4144, 0.2986, 0.3026

Protanopia

80.4716, 0.2967, 0.3035

Deuteranopia

80.6674, 0.3059, 0.3002



Tritanopia

80.3599, 0.3022, 0.3106

Trichromacy



Original Color

80.4144, 0.2986, 0.3026

Protanomaly

80.6366, 0.2973, 0.3036

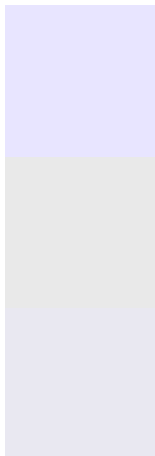
Deuteranomaly

80.5089, 0.3032, 0.3010

Tritanomaly

80.5476, 0.3004, 0.3076

Monochromacy



Original Color

80.4144, 0.2986, 0.3026

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3877, 0.3078, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4144, 0.2986, 0.3026 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.4144, 0.2986, 0.3026 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, 229, 255) }
```

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

```
.border{ border-color:rgb(232, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4144, 0.2986, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 229, 255) }
```

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

```
.background{ background-color: rgb(232,  
229, 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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