

Converting Colors

$Y_{xy}(80.1595, 0.3010, 0.3066)$

Have a look what the booklet for
Yxy(80.1595, 0.3010, 0.3066)
contains.

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Color

Yxy(80.1595, 0.3010, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	E8E5FB
RGB	232, 229, 251
RGB Percent	91%, 90%, 98%
CMY	0.0904, 0.1019, 0.0157
CMYK	0.08, 0.09, 0.00, 0.02
HSL	248°, 73%, 94%
HSV	248°, 9%, 98%
XYZ	78.6954, 80.1595, 102.5916
YIQ	232.4050, -5.2740, 7.4780

Conversions

Conversions Part 2

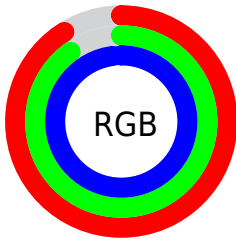
Format	Color
R _Y B	232, 229, 251
Decimal	15263227
CIE Lab	91.76, 5.04, -10.28
CIE LCh	92, 11.452, 296.099
Yxy	80.1595, 0.3010, 0.3066
Android (android.graphics.Color)	4293453307 (0xFFE8E5FB)
YUV	232.4050, 9.1673, -0.3552
Hunter-Lab	89.5318, 0.2146, -5.2662

Details

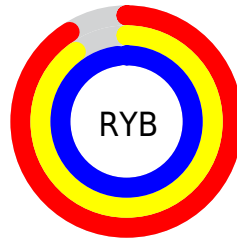
The Yxy color **80.1595, 0.3010, 0.3066** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.6264, 0.3239, 0.3507**, and the grayscale version is **80.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3973, 0.2984, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **63.8411, 0.2858, 0.2781**, and if you desaturate by 10%, it is **98.9442, 0.3143, 0.3320**.

Distribution



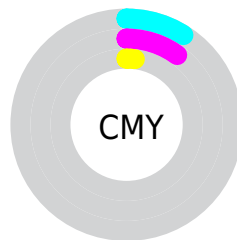
- Red (91%)
- Green (90%)
- Blue (98%)



- Red (91%)
- Yellow (90%)
- Blue (98%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1595, 0.3010, 0.3066 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 80.1595, 0.3010, 0.3066 by changing the saturation by 10% instead.

80.1595, 0.3010,
0.3066

80.1595, 0.3010,
0.3066

495.4702, 0.3064,
0.3167

59.8496, 0.2998,
0.3044

133.5900, 0.3028,
0.3100

43.2974, 0.2983,
0.3016

167.4793, 0.3036,
0.3114

30.1186, 0.2964,
0.2982

206.6640, 0.3042,
0.3126

19.9286, 0.2940,
0.2939

251.5283, 0.3047,
0.3136

12.3431, 0.2907,
0.2881

302.4567, 0.3052,
0.3145

6.9778, 0.2861,
0.2800

359.8335, 0.3056,

3.4482, 0.2791,

0.3153

0.2679

424.0432, 0.3060,
0.3160

■ 1.3700, 0.2670,
0.2483

■ 0.1944, 0.2148,
0.1357

■ 80.1595, 0.3010,
0.3066

■ 80.1595, 0.3010,
0.3066

■ 63.8411, 0.2858,
0.2781

■ 98.9442, 0.3143,
0.3320

■ 49.8765, 0.2687,
0.2466

■ 99.7451, 0.3150,
0.3328

■ 38.1598, 0.2499,
0.2129

■ 28.5729, 0.2300,
0.1783

■ 20.9869, 0.2100,
0.1445

■ 15.2588, 0.1912,
0.1141

■ 11.2262, 0.1751,
0.0895

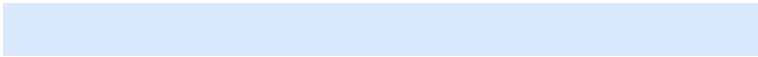
■ 8.6987, 0.1628,
0.0724

■ 7.4078, 0.1549,
0.0631

Harmonies

Analogous

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



80.1595, 0.2912, 0.3079



80.1595, 0.3010, 0.3066



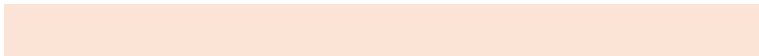
80.1595, 0.3142, 0.3110

Triad

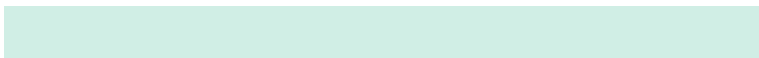
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1595, 0.3010, 0.3066



80.1595, 0.3391, 0.3424



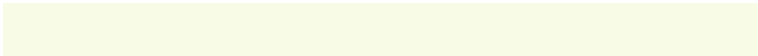
80.1595, 0.2983, 0.3382

Complementary

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



80.1595, 0.3010, 0.3066



94.6264, 0.3239, 0.3507

Split Complementary

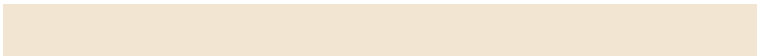
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1595, 0.3109, 0.3480



80.1595, 0.3010, 0.3066



80.1595, 0.3346, 0.3502

Square

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



80.1595, 0.3010, 0.3066



80.1595, 0.3364, 0.3314



80.1595, 0.3242, 0.3524



80.1595, 0.2896, 0.3259

Rectangle

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



80.1595, 0.3010, 0.3066



80.1595, 0.3231, 0.3166



80.1595, 0.3242, 0.3524



80.1595, 0.3022, 0.3419

Sweetspot

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



80.1629, 0.3010, 0.3066



93.9789, 0.3089, 0.3216



91.0315, 0.2992, 0.3264



19.7795, 0.3078, 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.



80.1629, 0.3010, 0.3066



79.0648, 0.2977, 0.3004



81.9969, 0.3081, 0.3071



16.7533, 0.2999, 0.3046



3.8680, 0.1550, 0.0628



0.3914, 0.1634, 0.0674

Inverse Universe

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



83.3445, 0.3156, 0.3103



83.1536, 0.3164, 0.3054



92.7359, 0.3170, 0.3512



17.4826, 0.3158, 0.3087



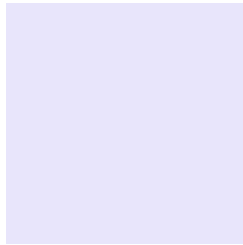
13.4492, 0.3576, 0.1743



1.2563, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 80.1595, 0.3010, 0.3066 looks on a white background.

Color Contrast Check

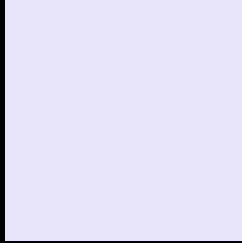
Large Text (above 18pt) WCAG AA × Fail

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 80.1595, 0.3010, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

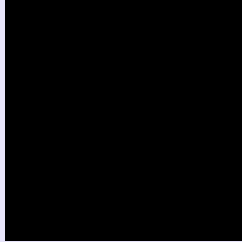
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1595, 0.3010, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 80.1595, 0.3010, 0.3066.



This preview shows how white text looks on a background with the Yxy color 80.1595, 0.3010, 0.3066.

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

80.1595, 0.3010, 0.3066

Protanopia

80.2167, 0.2991, 0.3075

Deuteranopia

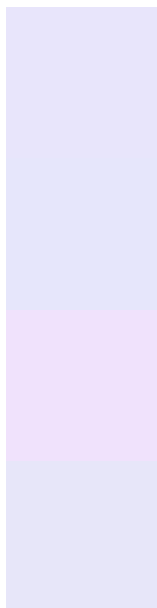
80.1118, 0.3085, 0.3021



Tritanopia

80.3599, 0.3022, 0.3106

Trichromacy



Original Color

80.1595, 0.3010, 0.3066

Protanomaly

80.3817, 0.2997, 0.3075

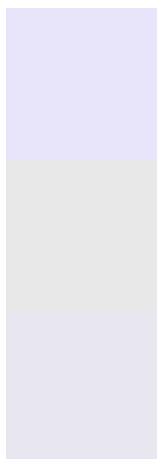
Deuteranomaly

79.9463, 0.3058, 0.3029

Tritanomaly

80.4221, 0.3016, 0.3096

Monochromacy



Original Color

80.1595, 0.3010, 0.3066

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.5396, 0.3084, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1595, 0.3010, 0.3066 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(232, 229, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 229, 251) }
```

Border

The CSS property to change the border of an element to Yxy 80.1595, 0.3010, 0.3066 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, 251) }
```

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

```
.border{ border-color:rgb(232, 229, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 229, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 229, 251);  
box-shadow:4px 4px 4px 4px rgb(232, 229,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1595, 0.3010, 0.3066 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, 251) }
```

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

```
.background{ background-color: rgb(232,  
229, 251) }
```

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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