

Converting Colors

$Y_{xy}(80.0290, 0.3009, 0.3105)$

Have a look what the booklet for
Yxy(80.0290, 0.3009, 0.3105)
contains.

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Color

Yxy(80.0290, 0.3009, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6F8
RGB	229, 230, 248
RGB Percent	90%, 90%, 97%
CMY	0.1019, 0.0980, 0.0275
CMYK	0.08, 0.07, 0.00, 0.03
HSL	237°, 58%, 94%
HSV	237°, 8%, 97%
XYZ	77.5547, 80.0290, 100.1587
YIQ	231.7530, -6.3740, 5.3860

Conversions

Conversions Part 2

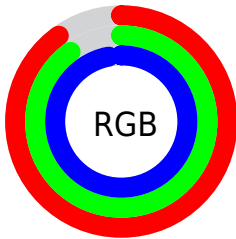
Format	Color
R _Y B	229, 230, 248
Decimal	15066872
CIE Lab	91.70, 3.01, -8.82
CIE LCh	92, 9.322, 288.840
Yxy	80.0290, 0.3009, 0.3105
Android (android.graphics.Color)	4293256952 (0xFFE5E6F8)
YUV	231.7530, 8.0098, -2.4144
Hunter-Lab	89.4589, -1.8060, -3.7601

Details

The Yxy color $80.0290, 0.3009, 0.3105$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $92.1355, 0.3242, 0.3469$, and the grayscale version is $80.4474, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4644, 0.2983, 0.3065$ is the 20% darker color. If you saturate the color by 10%, you get $64.0270, 0.2837, 0.2834$, and if you desaturate by 10%, it is $98.3845, 0.3161, 0.3343$.

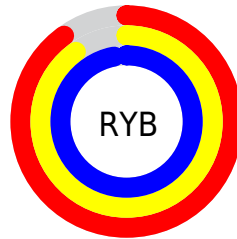
Distribution



Red (90%)

Green (90%)

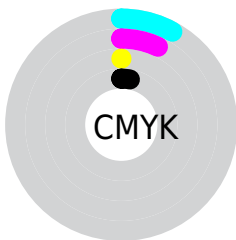
Blue (97%)



Red (90%)

Yellow (90%)

Blue (97%)

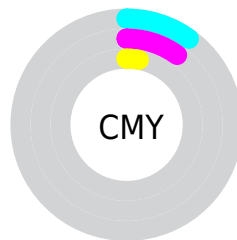


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (3%)



Cyan (10%)

Magenta (10%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0290, 0.3009, 0.3105 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 80.0290, 0.3009, 0.3105 by changing the saturation by 10% instead.

80.0290, 0.3009,
0.3105

80.0290, 0.3009,
0.3105

495.0306, 0.3063,
0.3189

59.7422, 0.2997,
0.3086

133.4065, 0.3028,
0.3134

43.2109, 0.2982,
0.3064

167.2660, 0.3035,
0.3145

30.0506, 0.2963,
0.3035

206.4186, 0.3041,
0.3155

19.8770, 0.2939,
0.2998

251.2485, 0.3047,
0.3163

12.3057, 0.2906,
0.2950

302.1403, 0.3051,
0.3171

6.9522, 0.2860,
0.2881

359.4783, 0.3056,

3.4322, 0.2790,

0.3177

0.2778

423.6469, 0.3059,
0.3183

■ 1.3613, 0.2671,
0.2608

■ 0.1880, 0.1999,
0.1490

■ 80.0290, 0.3009,
0.3105

■ 80.0290, 0.3009,
0.3105

■ 64.0270, 0.2837,
0.2834

■ 98.3845, 0.3161,
0.3343

■ 50.2737, 0.2647,
0.2532

■ 99.5568, 0.3168,
0.3357

■ 38.6713, 0.2442,
0.2203

■ 29.1110, 0.2230,
0.1859

■ 21.4746, 0.2022,
0.1517

■ 15.6315, 0.1833,
0.1202

■ 11.4350, 0.1679,
0.0939

■ 8.7152, 0.1572,
0.0748

■ 7.2618, 0.1515,
0.0638

Harmonies

Analogous

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



80.0290, 0.2938, 0.3128



80.0290, 0.3009, 0.3105



80.0290, 0.3112, 0.3130

Triad

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



80.0290, 0.3009, 0.3105



80.0290, 0.3342, 0.3380



80.0290, 0.3032, 0.3387

Complementary

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



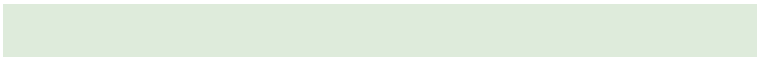
80.0290, 0.3009, 0.3105



92.1355, 0.3242, 0.3469

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.



80.0290, 0.3139, 0.3457



80.0290, 0.3009, 0.3105



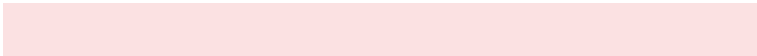
80.0290, 0.3319, 0.3451

Square

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



80.0290, 0.3009, 0.3105



80.0290, 0.3306, 0.3287



80.0290, 0.3244, 0.3481



80.0290, 0.2952, 0.3290

Rectangle

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



80.0290, 0.3009, 0.3105



80.0290, 0.3186, 0.3171



80.0290, 0.3244, 0.3481



80.0290, 0.3066, 0.3414

Sweetspot

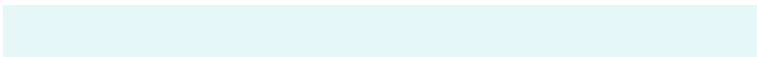
The Sweet Spot groups the original color and five complimentary colors.



80.0324, 0.3009, 0.3105



96.0000, 0.3097, 0.3243



90.4885, 0.3016, 0.3302



20.5898, 0.3099, 0.3246



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.



80.0324, 0.3009, 0.3105



82.8020, 0.2987, 0.3070



80.8681, 0.3064, 0.3098



16.7882, 0.2979, 0.3058



3.8748, 0.1509, 0.0631



0.4084, 0.1530, 0.0708

Inverse Universe

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



81.7142, 0.3252, 0.3280



84.8987, 0.3277, 0.3279



91.2723, 0.3187, 0.3481



17.2399, 0.3286, 0.3278



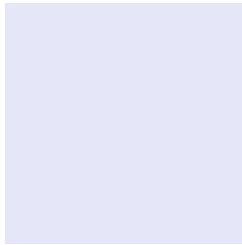
10.8021, 0.6347, 0.3270



1.0055, 0.6219, 0.3200

Previews

White Background



This preview shows how the Yxy color 80.0290, 0.3009, 0.3105 looks on a white background.

Color Contrast Check

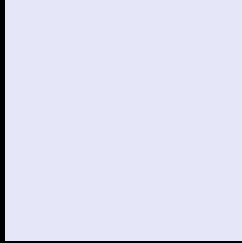
Large Text (above 18pt) WCAG AA × Fail

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 80.0290, 0.3009, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

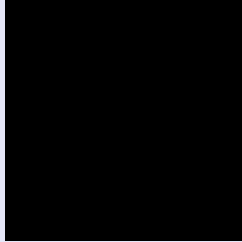
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0290, 0.3009, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 80.0290, 0.3009, 0.3105.



This preview shows how white text looks on a background with the Yxy color 80.0290, 0.3009, 0.3105.

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

80.0290, 0.3009, 0.3105

Protanopia

80.1939, 0.3015, 0.3105

Deuteranopia

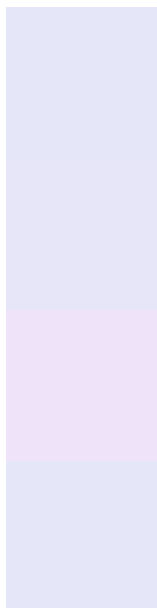
80.1025, 0.3111, 0.3051



Tritanopia

80.0290, 0.3009, 0.3105

Trichromacy



Original Color

80.0290, 0.3009, 0.3105

Protanomaly

80.1939, 0.3015, 0.3105

Deuteranomaly

80.1284, 0.3070, 0.3068

Tritanomaly

80.0290, 0.3009, 0.3105

Monochromacy



Original Color

80.0290, 0.3009, 0.3105

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.3138, 0.3083, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0290, 0.3009, 0.3105 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(229, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 248)  
}
```

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(229, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 248) }
```

Border

The CSS property to change the border of an element to Yxy 80.0290, 0.3009, 0.3105 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(229, 230, 248) }
```

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

```
.border{ border-color:rgb(229, 230, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 230, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 230, 248); box-shadow:4px 4px 4px 4px rgb(229, 230, 248) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 80.0290, 0.3009, 0.3105$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 248) }
```

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

```
.background{ background-color: rgb(229,  
230, 248) }
```

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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