

Converting Colors

$Yxy(80.3536, 0.3060, 0.3085)$

Have a look what the booklet for
Yxy(80.3536, 0.3060, 0.3085)
contains.

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Color

Yxy(80.2686, 0.3062, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	EDE4F8
RGB	237, 228, 248
RGB Percent	93%, 89%, 97%
CMY	0.0705, 0.1059, 0.0273
CMYK	0.04, 0.08, 0.00, 0.03
HSL	267°, 59%, 93%
HSV	267°, 8%, 97%
XYZ	79.6185, 80.2686, 100.1342
YIQ	232.9710, -1.0560, 8.1280

Conversions

Conversions Part 2

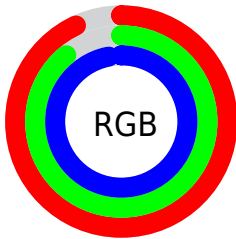
Format	Color
R _Y B	237, 228, 248
Decimal	15590648
CIE Lab	91.81, 6.66, -8.62
CIE LCh	92, 10.892, 307.668
Yxy	80.2686, 0.3062, 0.3087
Android (android.graphics.Color)	4293780728 (0xFFE4E4F8)
YUV	232.9710, 7.4093, 3.5334
Hunter-Lab	89.5927, 1.8406, -3.5511

Details

The Yxy color $80.2686, 0.3062, 0.3087$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $91.1153, 0.3188, 0.3492$, and the grayscale version is $81.4107, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5167, 0.3043, 0.3043$ is the 20% darker color. If you saturate the color by 10%, you get $65.3290, 0.2969, 0.2815$, and if you desaturate by 10%, it is $97.3516, 0.3141, 0.3336$.

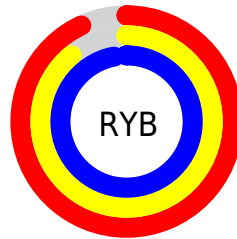
Distribution



Red (93%)

Green (89%)

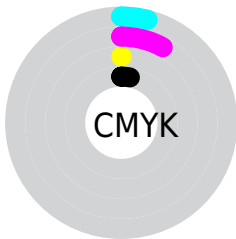
Blue (97%)



Red (93%)

Yellow (89%)

Blue (97%)

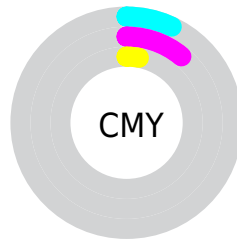


Cyan (4%)

Magenta (8%)

Yellow (0%)

Black (3%)



Cyan (7%)


Magenta (11%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2686, 0.3062, 0.3087 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 80.2686, 0.3062, 0.3087 by changing the saturation by 10% instead.

 80.2686, 0.3062,
0.3087

 80.2686, 0.3062,
0.3087


495.8376, 0.3092,
0.3178

 59.9394, 0.3055,
0.3067


133.7433, 0.3072,
0.3118

 43.3698, 0.3047,
0.3042

167.6576, 0.3076,
0.3130

 30.1754, 0.3036,
0.3011


206.8691, 0.3080,
0.3141

 19.9717, 0.3022,
0.2972


251.7621, 0.3083,
0.3150

 12.3745, 0.3003,
0.2919

302.7210, 0.3086,
0.3159

 6.9993, 0.2976,
0.2846

360.1304, 0.3088,

 3.4616, 0.2934,

0.3166

0.2738

424.3744, 0.3090,
0.3172

■ 1.3772, 0.2862,
0.2560

■ 0.1999, 0.2568,
0.1456

■ 80.2686, 0.3062,
0.3087

■ 80.2686, 0.3062,
0.3087

■ 65.3290, 0.2969,
0.2815

■ 97.3516, 0.3141,
0.3336

■ 52.4356, 0.2862,
0.2525

■ 99.5597, 0.3167,
0.3357

■ 41.4990, 0.2741,
0.2221

■ 32.4186, 0.2608,
0.1914

■ 25.0851, 0.2466,
0.1619

■ 19.3769, 0.2320,
0.1350

■ 15.1564, 0.2179,
0.1125

■ 12.2615, 0.2047,
0.0955

■ 10.4718, 0.1932,
0.0844

Harmonies

Analogous

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



80.2686, 0.2953, 0.3078



80.2686, 0.3062, 0.3087



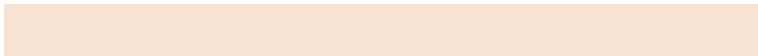
80.2686, 0.3191, 0.3148

Triad

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



80.2686, 0.3062, 0.3087



80.2686, 0.3369, 0.3452



80.2686, 0.2952, 0.3333

Complementary

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



80.2686, 0.3062, 0.3087



91.1153, 0.3188, 0.3492

Split Complementary

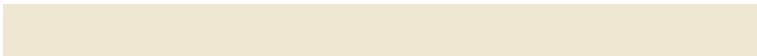
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2686, 0.3061, 0.3439



80.2686, 0.3062, 0.3087



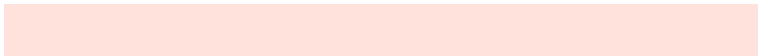
80.2686, 0.3302, 0.3507

Square

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



80.2686, 0.3062, 0.3087



80.2686, 0.3370, 0.3355



80.2686, 0.3189, 0.3503



80.2686, 0.2891, 0.3217

Rectangle

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



80.2686, 0.3062, 0.3087



80.2686, 0.3270, 0.3210



80.2686, 0.3189, 0.3503



80.2686, 0.2984, 0.3371

Sweetspot

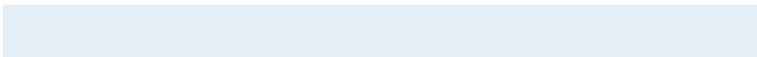
The Sweet Spot groups the original color and five complimentary colors.



80.2720, 0.3062, 0.3087



96.2607, 0.3112, 0.3241



85.2143, 0.3002, 0.3201



20.6429, 0.3113, 0.3244



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.



80.2720, 0.3062, 0.3087



82.2308, 0.3045, 0.3036



81.9858, 0.3127, 0.3091



17.0251, 0.3050, 0.3050



5.5859, 0.1928, 0.0836



0.5793, 0.2059, 0.0908

Inverse Universe

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



81.6830, 0.3194, 0.3180



84.0790, 0.3212, 0.3153



89.4730, 0.3126, 0.3496



17.3851, 0.3207, 0.3160



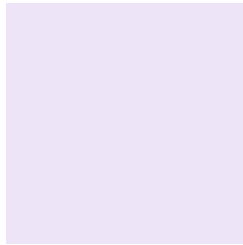
11.7767, 0.4750, 0.2390



1.1121, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 80.2686, 0.3062, 0.3087 looks on a white background.

Color Contrast Check

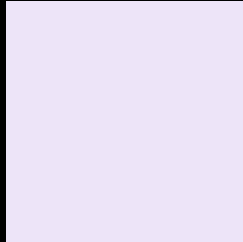
Large Text (above 18pt) WCAG AA × Fail

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 80.2686, 0.3062, 0.3087 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

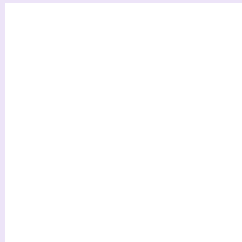
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2686, 0.3062, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 80.2686, 0.3062, 0.3087.



This preview shows how white text looks on a background with the Yxy color 80.2686, 0.3062, 0.3087.

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

80.2686, 0.3062, 0.3087

Protanopia

80.2562, 0.3009, 0.3095

Deuteranopia

80.2828, 0.3118, 0.3051



Tritanopia

80.1452, 0.3075, 0.3107

Trichromacy



Original Color

80.2686, 0.3062, 0.3087

Protanomaly

80.2018, 0.3029, 0.3086

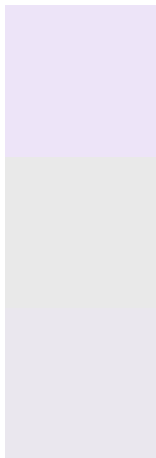
Deuteranomaly

80.2870, 0.3097, 0.3060

Tritanomaly

80.2067, 0.3068, 0.3097

Monochromacy



Original Color

80.2686, 0.3062, 0.3087

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.8173, 0.3103, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2686, 0.3062, 0.3087 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(237, 228, 248)` looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 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(237, 228, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 248) }
```

Border

The CSS property to change the border of an element to Yxy 80.2686, 0.3062, 0.3087 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(237, 228, 248) }
```

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

```
.border{ border-color:rgb(237, 228, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 228, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 248);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2686, 0.3062, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 248) }
```

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

```
.background{ background-color: rgb(237,  
228, 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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