

Converting Colors

$Yxy(81.3606, 0.3012, 0.3034)$

Have a look what the booklet for
Yxy(81.3606, 0.3012, 0.3034)
contains.

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Color

Yxy(81.6465, 0.3012, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	ECE6FF
RGB	236, 230, 255
RGB Percent	93%, 90%, 100%
CMY	0.0748, 0.0979, 0.0000
CMYK	0.07, 0.10, 0.00, 0.00
HSL	254°, 100%, 95%
HSV	254°, 10%, 100%
XYZ	80.9211, 81.6465, 106.0948
YIQ	234.6440, -4.4490, 9.0470

Conversions

Conversions Part 2

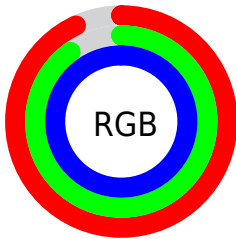
Format	Color
R _{YB}	236, 230, 255
Decimal	15525631
CIE Lab	92.42, 6.57, -11.35
CIE LCh	92, 13.113, 300.061
Yxy	81.6465, 0.3012, 0.3039
Android (android.graphics.Color)	4293715711 (0xFFECE6FF)
YUV	234.6440, 10.0355, 1.1892
Hunter-Lab	90.3585, 1.7296, -6.3647

Details

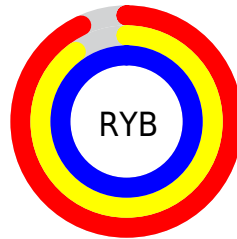
The Yxy color **81.6465, 0.3012, 0.3039** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.3856, 0.3236, 0.3535**, and the grayscale version is **82.7136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4405, 0.2987, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **65.3271, 0.2877, 0.2754**, and if you desaturate by 10%, it is **99.9995, 0.3127, 0.3290**.

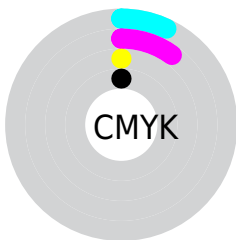
Distribution



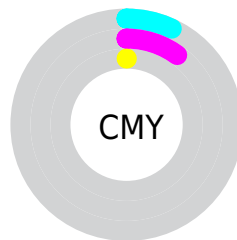
- Red (93%)
- Green (90%)
- Blue (100%)



- Red (93%)
- Yellow (90%)
- Blue (100%)



- Cyan (7%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6465, 0.3012, 0.3039 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 81.6465, 0.3012, 0.3039 by changing the saturation by 10% instead.

 81.6465, 0.3012,
0.3039

 81.6465, 0.3012,
0.3039

500.4645, 0.3065,
0.3151

 61.0742, 0.3000,
0.3014


135.6782, 0.3030,
0.3077

 44.2850, 0.2986,
0.2984

169.9063, 0.3037,
0.3092

 30.8947, 0.2967,
0.2947


209.4552, 0.3043,
0.3105

 20.5187, 0.2943,
0.2899

254.7092, 0.3049,
0.3117

 12.7726, 0.2911,
0.2835

306.0528, 0.3053,
0.3127

 7.2722, 0.2866,
0.2748

363.8702, 0.3058,

 3.6329, 0.2798,

0.3136

0.2619

428.5460, 0.3061,
0.3144

■ 1.4704, 0.2681,
0.2412

■ 0.2678, 0.2340,
0.1510

■ 81.6465, 0.3012,
0.3039

■ 81.6465, 0.3012,
0.3039

■ 65.3271, 0.2877,
0.2754

99.9995, 0.3127,
0.3290

■ 51.3419, 0.2723,
0.2444

■ 39.5860, 0.2554,
0.2116

■ 29.9420, 0.2373,
0.1781

■ 22.2820, 0.2187,
0.1458

■ 16.4635, 0.2008,
0.1167

■ 12.3247, 0.1847,
0.0930

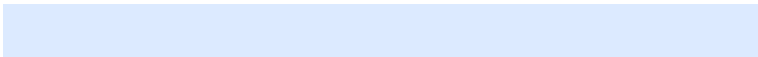
■ 9.6743, 0.1716,
0.0763

■ 8.2151, 0.1619,
0.0666

Harmonies

Analogous

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



81.6465, 0.2894, 0.3044



81.6465, 0.3012, 0.3039



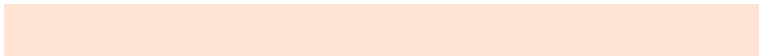
81.6465, 0.3164, 0.3097

Triad

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



81.6465, 0.3012, 0.3039



81.6465, 0.3425, 0.3457



81.6465, 0.2947, 0.3376

Complementary

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



81.6465, 0.3012, 0.3039



97.3856, 0.3236, 0.3535

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.



81.6465, 0.3085, 0.3495



81.6465, 0.3012, 0.3039



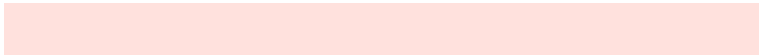
81.6465, 0.3363, 0.3539

Square

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



81.6465, 0.3012, 0.3039



81.6465, 0.3405, 0.3334



81.6465, 0.3238, 0.3555



81.6465, 0.2857, 0.3236

Rectangle

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



81.6465, 0.3012, 0.3039



81.6465, 0.3264, 0.3164



81.6465, 0.3238, 0.3555



81.6465, 0.2989, 0.3420

Sweetspot

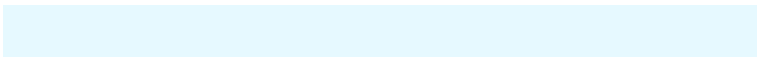
The Sweet Spot groups the original color and five complimentary colors.



81.6500, 0.3012, 0.3039



94.1250, 0.3094, 0.3216



91.9020, 0.2975, 0.3231



19.8187, 0.3084, 0.3196



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

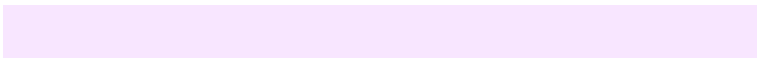
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6500, 0.3012, 0.3039



77.8423, 0.2984, 0.2979



83.8461, 0.3094, 0.3045



17.5851, 0.3016, 0.3047



4.3362, 0.1630, 0.0671



0.4696, 0.1736, 0.0730

Inverse Universe

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



84.7123, 0.3176, 0.3105



81.5490, 0.3188, 0.3062



95.1804, 0.3157, 0.3541



18.2225, 0.3174, 0.3110



13.1841, 0.3918, 0.1932



1.3006, 0.3819, 0.1878

Previews

White Background



This preview shows how the Yxy color 81.6465, 0.3012, 0.3039 looks on a white background.

Color Contrast Check

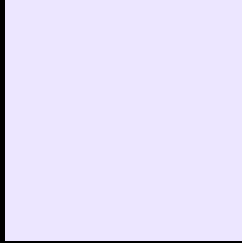
Large Text (above 18pt) WCAG AA × Fail

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 81.6465, 0.3012, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

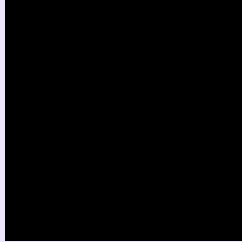
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6465, 0.3012, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 81.6465, 0.3012, 0.3039.

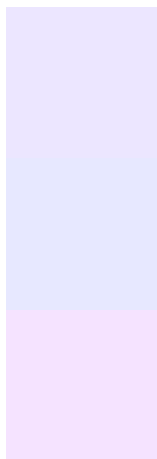


This preview shows how white text looks on a background with the Yxy color 81.6465, 0.3012, 0.3039.

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

81.6465, 0.3012, 0.3039

Protanopia

81.9221, 0.2980, 0.3057

Deuteranopia

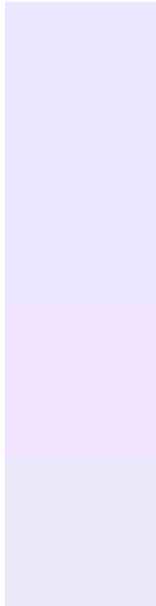
81.5706, 0.3072, 0.3013



Tritanopia

81.6535, 0.3042, 0.3108

Trichromacy



Original Color

81.6465, 0.3012, 0.3039

Protanomaly

81.6955, 0.2993, 0.3048

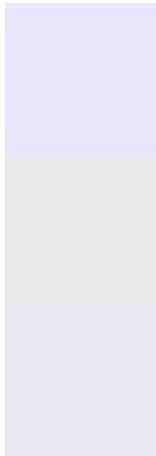
Deuteranomaly

81.5841, 0.3052, 0.3022

Tritanomaly

81.7790, 0.3030, 0.3088

Monochromacy



Original Color

81.6465, 0.3012, 0.3039

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.3508, 0.3085, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6465, 0.3012, 0.3039 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(236, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 230, 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(236, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.6465, 0.3012, 0.3039 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(236, 230, 255) }
```

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

```
.border{ border-color:rgb(236, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6465, 0.3012, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 230, 255) }
```

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

```
.background{ background-color: rgb(236,  
230, 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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