

Converting Colors

$Y_{xy}(90.7712, 0.2650, 0.2496)$

Have a look what the booklet for
Yxy(90.7712, 0.2650, 0.2496)
contains.

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Color

Yxy(85.2154, 0.3019, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	EDECFF
RGB	237, 236, 255
RGB Percent	93%, 93%, 100%
CMY	0.0703, 0.0746, 0.0000
CMYK	0.07, 0.07, 0.00, 0.00
HSL	243°, 100%, 96%
HSV	243°, 7%, 100%
XYZ	82.9888, 85.2154, 106.6842
YIQ	238.4650, -5.5030, 6.1210

Conversions

Conversions Part 2

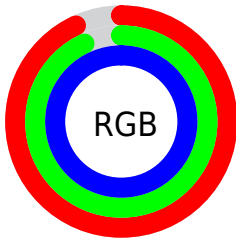
Format	Color
R_{YB}	237, 236, 255
Decimal	15592703
CIE _{Lab}	93.98, 3.86, -9.03
CIE _{LCh}	94, 9.821, 293.136
Yxy	85.2154, 0.3019, 0.3100
Android (android.graphics.Color)	4293782783 (0xFFEDECFF)
YUV	238.4650, 8.1518, -1.2848
Hunter-Lab	92.3122, -1.0745, -3.9023

Details

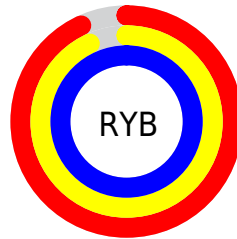
The Yxy color **85.2154, 0.3019, 0.3100** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.6288, 0.3231, 0.3474**, and the grayscale version is **85.8274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5435, 0.2996, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **67.7040, 0.2856, 0.2816**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

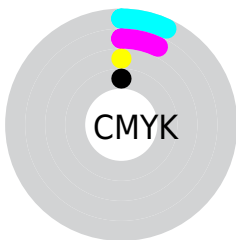
Distribution



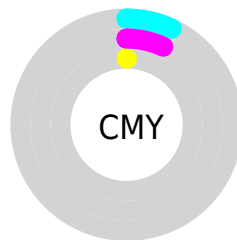
- Red (93%)
- Green (93%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2154, 0.3019, 0.3100 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 85.2154, 0.3019, 0.3100 by changing the saturation by 10% instead.

 85.2154, 0.3019,
0.3100

 85.2154, 0.3019,
0.3100

512.3405, 0.3068,
0.3185

 64.0194, 0.3008,
0.3081


140.6741, 0.3036,
0.3129

 46.6664, 0.2995,
0.3059


175.7055, 0.3042,
0.3140

 32.7720, 0.2978,
0.3030


216.1176, 0.3048,
0.3150

 21.9518, 0.2957,
0.2994

262.2946, 0.3053,
0.3159

 13.8215, 0.2928,
0.2947

314.6210, 0.3057,
0.3166

 7.9966, 0.2888,
0.2881

373.4812, 0.3061,

 4.0928, 0.2829,

0.3173

0.2785

439.2596, 0.3065,
0.3179

■ 1.7256, 0.2730,
0.2629

■ 0.4402, 0.2475,
0.2125

■ 85.2154, 0.3019,
0.3100

■ 85.2154, 0.3019,
0.3100

■ 67.7040, 0.2856,
0.2816

100.0000, 0.3127,
0.3290

■ 52.7299, 0.2673,
0.2500

■ 40.1783, 0.2473,
0.2158

■ 29.9219, 0.2263,
0.1804

■ 21.8217, 0.2055,
0.1457

■ 15.7235, 0.1863,
0.1142

■ 11.4528, 0.1703,
0.0887

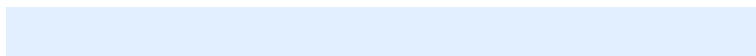
■ 8.8050, 0.1587,
0.0712

■ 7.5174, 0.1522,
0.0621

Harmonies

Analogous

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



85.2154, 0.2940, 0.3116



85.2154, 0.3019, 0.3100



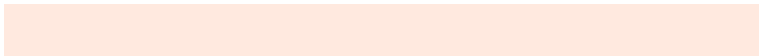
85.2154, 0.3128, 0.3133

Triad

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



85.2154, 0.3019, 0.3100



85.2154, 0.3349, 0.3395



85.2154, 0.3015, 0.3376

Complementary

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



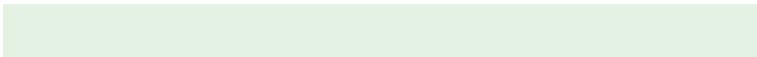
85.2154, 0.3019, 0.3100



98.6288, 0.3231, 0.3474

Split Complementary

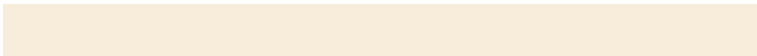
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2154, 0.3123, 0.3455



85.2154, 0.3019, 0.3100



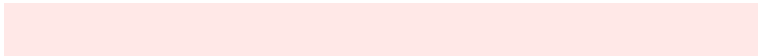
85.2154, 0.3317, 0.3464

Square

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



85.2154, 0.3019, 0.3100



85.2154, 0.3320, 0.3301



85.2154, 0.3234, 0.3487



85.2154, 0.2938, 0.3275

Rectangle

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



85.2154, 0.3019, 0.3100



85.2154, 0.3204, 0.3178



85.2154, 0.3234, 0.3487



85.2154, 0.3049, 0.3407

Sweetspot

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



85.2187, 0.3019, 0.3100



95.8887, 0.3099, 0.3241



95.9649, 0.3011, 0.3280



20.5672, 0.3101, 0.3243



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.



85.2187, 0.3019, 0.3100



82.3468, 0.2995, 0.3058



86.8743, 0.3080, 0.3104



17.4275, 0.2987, 0.3045



3.8436, 0.1517, 0.0609



0.3909, 0.1557, 0.0631

Inverse Universe

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



88.3913, 0.3142, 0.3117



86.1369, 0.3146, 0.3081



96.9052, 0.3172, 0.3477



18.2813, 0.3147, 0.3069



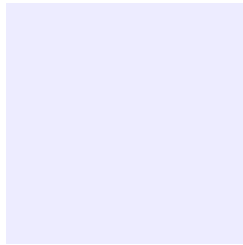
14.4154, 0.3359, 0.1624



1.4088, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 85.2154, 0.3019, 0.3100 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 85.2154, 0.3019, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

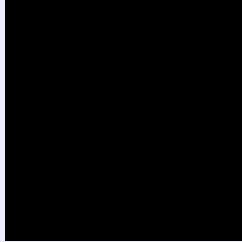
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2154, 0.3019, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 85.2154, 0.3019, 0.3100.



This preview shows how white text looks on a background with the Yxy color 85.2154, 0.3019, 0.3100.

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

85.2154, 0.3019, 0.3100

Protanopia

85.2154, 0.3019, 0.3100

Deuteranopia

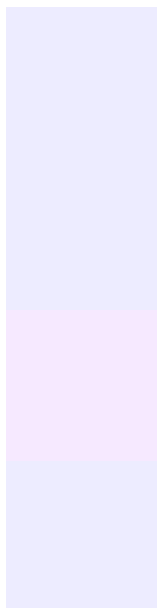
84.8811, 0.3111, 0.3056



Tritanopia

85.2154, 0.3019, 0.3100

Trichromacy



Original Color

85.2154, 0.3019, 0.3100

Protanomaly

85.2154, 0.3019, 0.3100

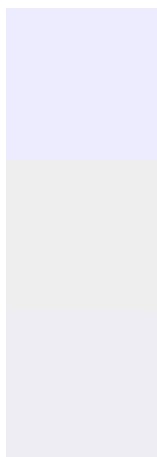
Deuteranomaly

85.0907, 0.3078, 0.3074

Tritanomaly

85.2154, 0.3019, 0.3100

Monochromacy



Original Color

85.2154, 0.3019, 0.3100

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2772, 0.3091, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2154, 0.3019, 0.3100 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 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(237, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.2154, 0.3019, 0.3100 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, 236, 255) }
```

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

```
.border{ border-color:rgb(237, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2154, 0.3019, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 255) }
```

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

```
.background{ background-color: rgb(237,  
236, 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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