

Converting Colors

$Yxy(84.9500, 0.3039, 0.3087)$

Have a look what the booklet for
Yxy(84.9500, 0.3039, 0.3087)
contains.

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Color

Yxy(85.1619, 0.3038, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	F0EBFF
RGB	240, 235, 255
RGB Percent	94%, 92%, 100%
CMY	0.0587, 0.0784, 0.0000
CMYK	0.06, 0.08, 0.00, 0.00
HSL	255°, 100%, 96%
HSV	255°, 8%, 100%
XYZ	83.7017, 85.1619, 106.6521
YIQ	238.7750, -3.4400, 7.2800

Conversions

Conversions Part 2

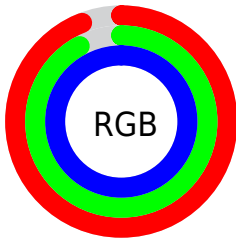
Format	Color
R _Y B	240, 235, 255
Decimal	15789055
CIE Lab	93.95, 5.32, -9.05
CIE LCh	94, 10.500, 300.458
Yxy	85.1619, 0.3038, 0.3091
Android (android.graphics.Color)	4293979135 (0xFFFF0EBFF)
YUV	238.7750, 7.9989, 1.0743
Hunter-Lab	92.2832, 0.4054, -3.9235

Details

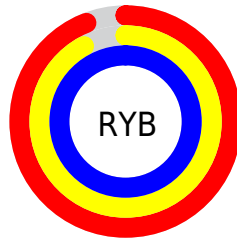
The Yxy color **85.1619, 0.3038, 0.3091** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.8370, 0.3212, 0.3485**, and the grayscale version is **86.0744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5078, 0.3020, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **68.4264, 0.2909, 0.2813**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

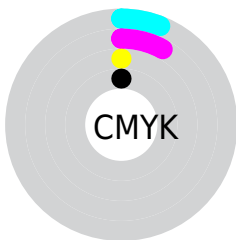
Distribution



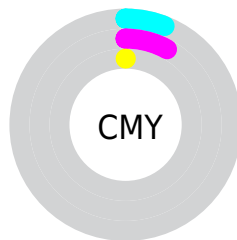
- Red (94%)
- Green (92%)
- Blue (100%)



- Red (94%)
- Yellow (92%)
- Blue (100%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1619, 0.3038, 0.3091 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 85.1619, 0.3038, 0.3091 by changing the saturation by 10% instead.

 85.1619, 0.3038,
0.3091

 85.1619, 0.3038,
0.3091

512.1636, 0.3078,
0.3180

 63.9752, 0.3029,
0.3072


140.5994, 0.3052,
0.3121

 46.6306, 0.3018,
0.3048

175.6189, 0.3057,
0.3133

 32.7437, 0.3004,
0.3019

216.0181, 0.3062,
0.3143

 21.9302, 0.2986,
0.2981

262.1814, 0.3066,
0.3152

 13.8056, 0.2962,
0.2932

314.4932, 0.3070,
0.3160

 7.9856, 0.2929,
0.2864

373.3379, 0.3073,

 4.0857, 0.2878,

0.3167

0.2764

439.0999, 0.3076,
0.3174

■ 1.7216, 0.2794,
0.2604

■ 0.4376, 0.2599,
0.2084

■ 85.1619, 0.3038,
0.3091

■ 85.1619, 0.3038,
0.3091

■ 68.4264, 0.2909,
0.2813

100.0000, 0.3127,
0.3290

■ 54.0338, 0.2762,
0.2508

■ 41.8799, 0.2598,
0.2184

■ 31.8501, 0.2422,
0.1851

■ 23.8195, 0.2239,
0.1525

■ 17.6497, 0.2059,
0.1228

■ 13.1843, 0.1895,
0.0980

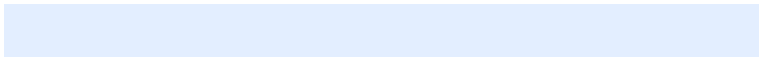
■ 10.2400, 0.1756,
0.0799

■ 8.5754, 0.1650,
0.0690

Harmonies

Analogous

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



85.1619, 0.2943, 0.3095



85.1619, 0.3038, 0.3091



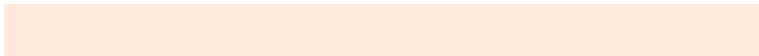
85.1619, 0.3158, 0.3138

Triad

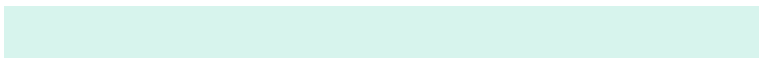
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1619, 0.3038, 0.3091



85.1619, 0.3362, 0.3424



85.1619, 0.2983, 0.3357

Complementary

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



85.1619, 0.3038, 0.3091



97.8370, 0.3212, 0.3485

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.



85.1619, 0.3093, 0.3450



85.1619, 0.3038, 0.3091



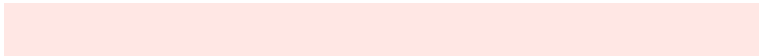
85.1619, 0.3313, 0.3487

Square

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



85.1619, 0.3038, 0.3091



85.1619, 0.3347, 0.3327



85.1619, 0.3214, 0.3498



85.1619, 0.2912, 0.3247

Rectangle

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



85.1619, 0.3038, 0.3091



85.1619, 0.3237, 0.3192



85.1619, 0.3214, 0.3498



85.1619, 0.3017, 0.3391

Sweetspot

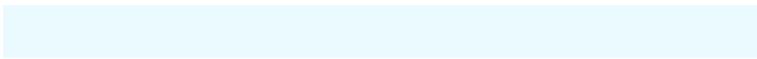
The Sweet Spot groups the original color and five complimentary colors.



85.1640, 0.3038, 0.3091



96.0721, 0.3105, 0.3241



93.2523, 0.3005, 0.3240



20.6045, 0.3107, 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.



85.1640, 0.3038, 0.3091



83.1069, 0.3024, 0.3060



86.9585, 0.3103, 0.3095



17.5982, 0.3018, 0.3047



4.4025, 0.1645, 0.0680



0.4777, 0.1754, 0.0740

Inverse Universe

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



87.5751, 0.3167, 0.3145



85.8555, 0.3174, 0.3123



96.0428, 0.3149, 0.3489



18.2178, 0.3177, 0.3114



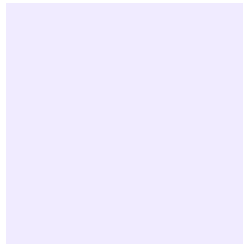
13.0977, 0.3970, 0.1960



1.2928, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 85.1619, 0.3038, 0.3091 looks on a white background.

Color Contrast Check

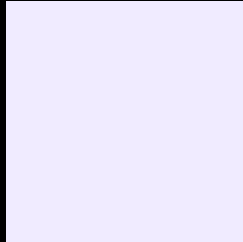
Large Text (above 18pt) WCAG AA × Fail

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 85.1619, 0.3038, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

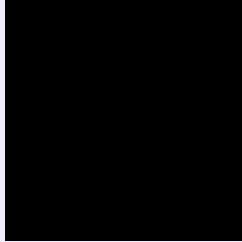
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1619, 0.3038, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 85.1619, 0.3038, 0.3091.



This preview shows how white text looks on a background with the Yxy color 85.1619, 0.3038, 0.3091.

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

85.1619, 0.3038, 0.3091

Protanopia

85.2154, 0.3019, 0.3100

Deuteranopia

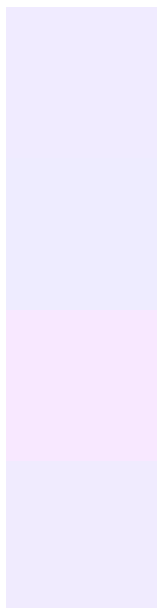
85.0673, 0.3118, 0.3057



Tritanopia

85.0977, 0.3044, 0.3101

Trichromacy



Original Color

85.1619, 0.3038, 0.3091

Protanomaly

85.3880, 0.3025, 0.3101

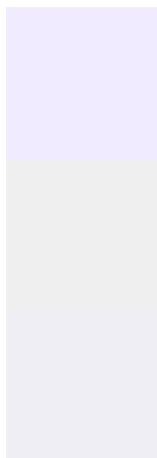
Deuteranomaly

84.8897, 0.3091, 0.3065

Tritanomaly

85.0977, 0.3044, 0.3101

Monochromacy



Original Color

85.1619, 0.3038, 0.3091

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.0924, 0.3091, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1619, 0.3038, 0.3091 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(240, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 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(240, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.1619, 0.3038, 0.3091 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(240, 235, 255) }
```

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

```
.border{ border-color:rgb(240, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1619, 0.3038, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 255) }
```

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

```
.background{ background-color: rgb(240,  
235, 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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