

Converting Colors

Yxy(85.1628, 0.2967, 0.3042)

Have a look what the booklet for
Yxy(85.1628, 0.2967, 0.3042)
contains.

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Color

Yxy(84.7033, 0.2999, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	EAECFF
RGB	234, 236, 255
RGB Percent	92%, 93%, 100%
CMY	0.0825, 0.0745, 0.0000
CMYK	0.08, 0.07, 0.00, 0.00
HSL	234°, 100%, 96%
HSV	234°, 8%, 100%
XYZ	81.9701, 84.7033, 106.6513
YIQ	237.5680, -7.2910, 5.4850

Conversions

Conversions Part 2

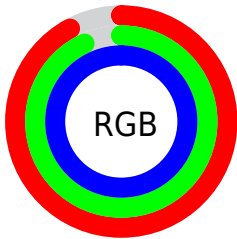
Format	Color
R _Y B	234, 236, 255
Decimal	15396095
CIE Lab	93.76, 2.85, -9.39
CIE LCh	94, 9.813, 286.864
Yxy	84.7033, 0.2999, 0.3099
Android (android.graphics.Color)	4293586175 (0xFFEAECFF)
YUV	237.5680, 8.5940, -3.1291
Hunter-Lab	92.0344, -2.0799, -4.2823

Details

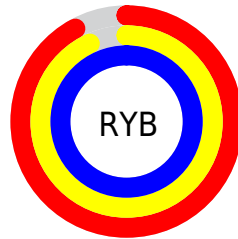
The Yxy color **84.7033, 0.2999, 0.3099** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.4170, 0.3252, 0.3474**, and the grayscale version is **85.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1847, 0.2971, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **68.2860, 0.2827, 0.2840**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

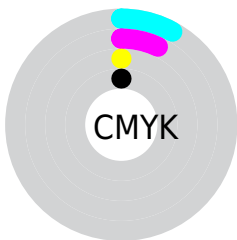
Distribution



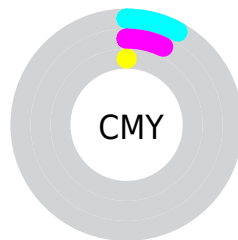
- Red (92%)
- Green (93%)
- Blue (100%)



- Red (92%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7033, 0.2999, 0.3099 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 84.7033, 0.2999, 0.3099 by changing the saturation by 10% instead.

84.7033, 0.2999,
0.3099

84.7033, 0.2999,
0.3099

510.6458, 0.3057,
0.3184

63.5963, 0.2986,
0.3080

139.9586, 0.3019,
0.3128

46.3237, 0.2970,
0.3057

174.8756, 0.3027,
0.3140

32.5014, 0.2951,
0.3029

215.1647, 0.3033,
0.3149

21.7447, 0.2926,
0.2992

261.2103, 0.3039,
0.3158

13.6695, 0.2892,
0.2944

313.3969, 0.3044,
0.3166

7.8911, 0.2845,
0.2877

372.1087, 0.3049,

4.0254, 0.2775,

0.3173

0.2778

437.7302, 0.3053,
0.3179

■ 1.6878, 0.2659,
0.2619

■ 0.4157, 0.2327,
0.2082

■ 84.7033, 0.2999,
0.3099

■ 84.7033, 0.2999,
0.3099

■ 68.2860, 0.2827,
0.2840

100.0000, 0.3127,
0.3290

■ 54.1038, 0.2638,
0.2550

■ 42.0621, 0.2436,
0.2235

■ 32.0564, 0.2228,
0.1904

■ 23.9737, 0.2025,
0.1572

■ 17.6899, 0.1841,
0.1262

■ 13.0661, 0.1689,
0.0996

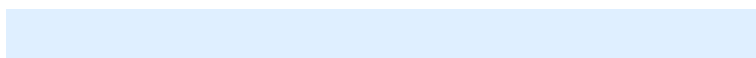
■ 9.9426, 0.1582,
0.0794

■ 8.1220, 0.1522,
0.0666

Harmonies

Analogous

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



84.7033, 0.2929, 0.3126



84.7033, 0.2999, 0.3099



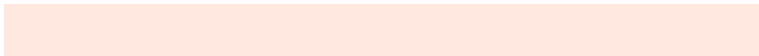
84.7033, 0.3104, 0.3122

Triad

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



84.7033, 0.2999, 0.3099



84.7033, 0.3348, 0.3377



84.7033, 0.3036, 0.3396

Complementary

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



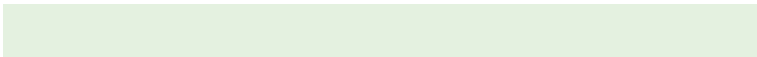
84.7033, 0.2999, 0.3099



97.4170, 0.3252, 0.3474

Split Complementary

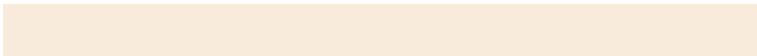
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7033, 0.3147, 0.3466



84.7033, 0.2999, 0.3099



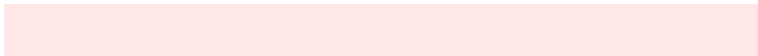
84.7033, 0.3329, 0.3453

Square

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



84.7033, 0.2999, 0.3099



84.7033, 0.3307, 0.3280



84.7033, 0.3255, 0.3487



84.7033, 0.2950, 0.3296

Rectangle

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



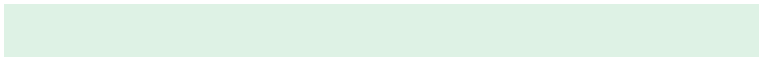
84.7033, 0.2999, 0.3099



84.7033, 0.3181, 0.3162



84.7033, 0.3255, 0.3487



84.7033, 0.3072, 0.3424

Sweetspot

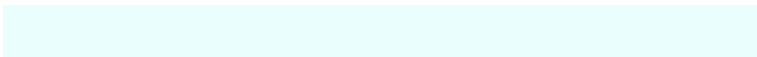
The Sweet Spot groups the original color and five complimentary colors.



84.7057, 0.2999, 0.3099



96.1438, 0.3097, 0.3246



96.0916, 0.3011, 0.3310



20.6192, 0.3099, 0.3248



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.



84.7057, 0.2999, 0.3099



81.6656, 0.2970, 0.3056



84.9894, 0.3054, 0.3082



17.6624, 0.2979, 0.3068



4.2264, 0.1518, 0.0664



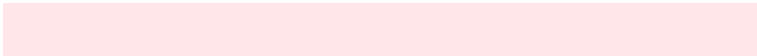
0.5022, 0.1553, 0.0791

Inverse Universe

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



86.1421, 0.3257, 0.3270



83.4011, 0.3288, 0.3266



97.1573, 0.3196, 0.3497



18.0158, 0.3279, 0.3267



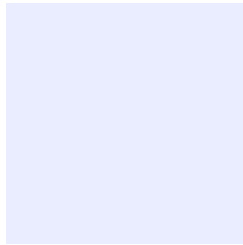
11.1546, 0.6292, 0.3240



1.0952, 0.6083, 0.3125

Previews

White Background



This preview shows how the Yxy color 84.7033, 0.2999, 0.3099 looks on a white background.

Color Contrast Check

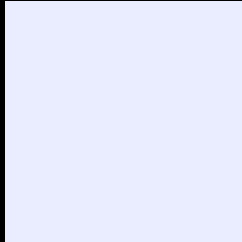
Large Text (above 18pt) WCAG AA × Fail

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 84.7033, 0.2999, 0.3099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

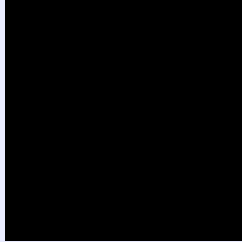
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7033, 0.2999, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 84.7033, 0.2999, 0.3099.



This preview shows how white text looks on a background with the Yxy color 84.7033, 0.2999, 0.3099.

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

84.7033, 0.2999, 0.3099

Protanopia

84.4695, 0.3012, 0.3090

Deuteranopia

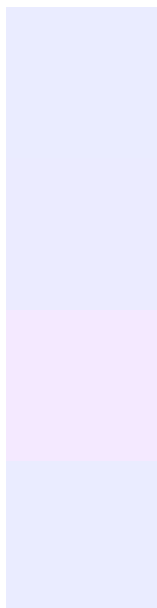
84.6958, 0.3105, 0.3056



Tritanopia

84.7033, 0.2999, 0.3099

Trichromacy



Original Color

84.7033, 0.2999, 0.3099

Protanomaly

84.2988, 0.3006, 0.3089

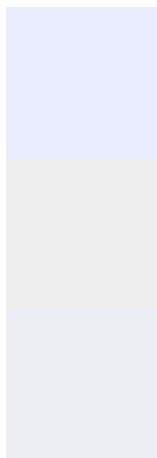
Deuteranomaly

84.7309, 0.3064, 0.3073

Tritanomaly

84.7033, 0.2999, 0.3099

Monochromacy



Original Color

84.7033, 0.2999, 0.3099

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.1046, 0.3084, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7033, 0.2999, 0.3099 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(234, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.7033, 0.2999, 0.3099 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(234, 236, 255) }
```

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

```
.border{ border-color:rgb(234, 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(234, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7033, 0.2999, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 236, 255) }
```

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

```
.background{ background-color: rgb(234,  
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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