

Converting Colors

$Y_{xy}(84.1000, 0.3007, 0.3085)$

Have a look what the booklet for
Yxy(84.1000, 0.3007, 0.3085)
contains.

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Color

Yxy(84.2988, 0.3006, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	EBEBFF
RGB	235, 235, 255
RGB Percent	92%, 92%, 100%
CMY	0.0782, 0.0785, 0.0000
CMYK	0.08, 0.08, 0.00, 0.00
HSL	240°, 100%, 96%
HSV	240°, 8%, 100%
XYZ	82.0337, 84.2988, 106.5674
YIQ	237.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

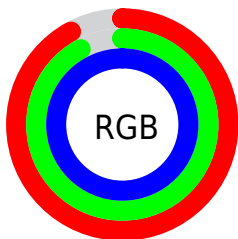
Format	Color
R _Y B	235, 235, 255
Decimal	15461375
CIE Lab	93.58, 3.72, -9.64
CIE LCh	94, 10.335, 291.121
Yxy	84.2988, 0.3006, 0.3089
Android (android.graphics.Color)	4293651455 (0xFFEBEBFF)
YUV	237.2800, 8.7360, -1.9996
Hunter-Lab	91.8144, -1.1901, -4.5469

Details

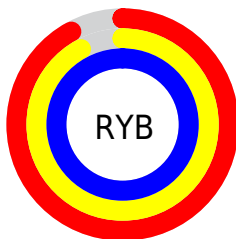
The Yxy color **84.2988, 0.3006, 0.3089** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.7652, 0.3244, 0.3483**, and the grayscale version is **84.8569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9011, 0.2979, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **66.7093, 0.2833, 0.2802**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

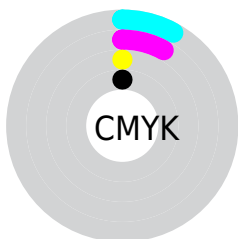
Distribution



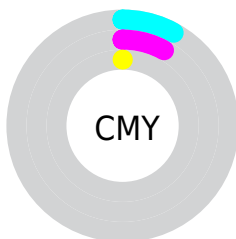
- Red (92%)
- Green (92%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2988, 0.3006, 0.3089 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 84.2988, 0.3006, 0.3089 by changing the saturation by 10% instead.

84.2988, 0.3006,
0.3089

84.2988, 0.3006,
0.3089

509.3049, 0.3061,
0.3179

63.2622, 0.2994,
0.3069

139.3931, 0.3025,
0.3120

46.0533, 0.2979,
0.3045

174.2195, 0.3032,
0.3132

32.2879, 0.2960,
0.3015

214.4113, 0.3039,
0.3142

21.5815, 0.2936,
0.2977

260.3529, 0.3044,
0.3151

13.5497, 0.2904,
0.2926

312.4287, 0.3049,
0.3159

7.8082, 0.2859,
0.2856

371.0230, 0.3053,

3.9724, 0.2792,

0.3167

0.2753

436.5203, 0.3057,
0.3173

■ 1.6582, 0.2680,
0.2586

■ 0.3963, 0.2366,
0.2005

■ 84.2988, 0.3006,
0.3089

■ 84.2988, 0.3006,
0.3089

■ 66.7093, 0.2833,
0.2802

100.0000, 0.3127,
0.3290

■ 51.7137, 0.2639,
0.2481

■ 39.1914, 0.2430,
0.2134

■ 29.0099, 0.2212,
0.1775

■ 21.0237, 0.2000,
0.1424

■ 15.0715, 0.1810,
0.1109

■ 10.9697, 0.1658,
0.0859

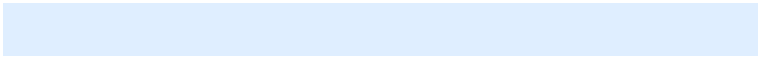
■ 8.5019, 0.1557,
0.0692

■ 7.3798, 0.1508,
0.0612

Harmonies

Analogous

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



84.2988, 0.2926, 0.3109



84.2988, 0.3006, 0.3089



84.2988, 0.3120, 0.3120

Triad

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



84.2988, 0.3006, 0.3089



84.2988, 0.3361, 0.3395



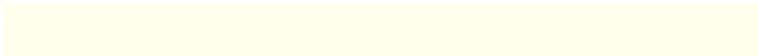
84.2988, 0.3016, 0.3388

Complementary

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



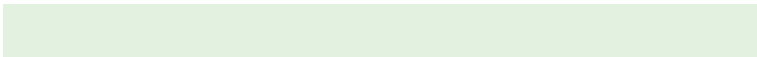
84.2988, 0.3006, 0.3089



98.7652, 0.3244, 0.3483

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.



84.2988, 0.3131, 0.3468



84.2988, 0.3006, 0.3089



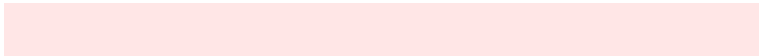
84.2988, 0.3332, 0.3470

Square

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



84.2988, 0.3006, 0.3089



84.2988, 0.3327, 0.3294



84.2988, 0.3247, 0.3498



84.2988, 0.2931, 0.3281

Rectangle

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



84.2988, 0.3006, 0.3089



84.2988, 0.3200, 0.3166



84.2988, 0.3247, 0.3498



84.2988, 0.3052, 0.3419

Sweetspot

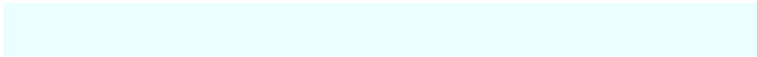
The Sweet Spot groups the original color and five complimentary colors.



84.3013, 0.3006, 0.3089



95.8377, 0.3098, 0.3241



96.4002, 0.3005, 0.3290



20.5568, 0.3099, 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.



84.3013, 0.3006, 0.3089



82.1380, 0.2987, 0.3058



86.0415, 0.3070, 0.3093



17.3806, 0.2979, 0.3044



3.7766, 0.1501, 0.0601



0.3687, 0.1503, 0.0602

Inverse Universe

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



87.8859, 0.3137, 0.3098



86.2166, 0.3138, 0.3069



96.9289, 0.3180, 0.3487



18.2993, 0.3139, 0.3057



14.8540, 0.3217, 0.1546



1.4466, 0.3216, 0.1545

Previews

White Background



This preview shows how the Yxy color 84.2988, 0.3006, 0.3089 looks on a white background.

Color Contrast Check

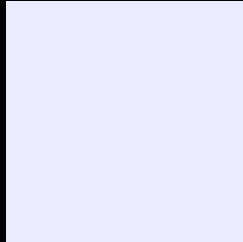
Large Text (above 18pt) WCAG AA × Fail

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 84.2988, 0.3006, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

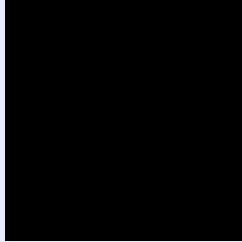
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2988, 0.3006, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 84.2988, 0.3006, 0.3089.



This preview shows how white text looks on a background with the Yxy color 84.2988, 0.3006, 0.3089.

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

84.2988, 0.3006, 0.3089

Protanopia

84.2988, 0.3006, 0.3089

Deuteranopia

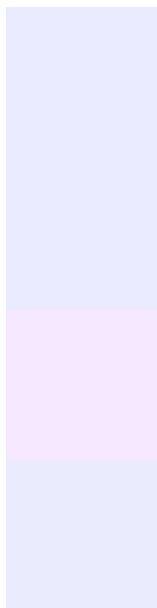
84.1376, 0.3105, 0.3046



Tritanopia

84.2346, 0.3012, 0.3099

Trichromacy



Original Color

84.2988, 0.3006, 0.3089

Protanomaly

84.2988, 0.3006, 0.3089

Deuteranomaly

84.3457, 0.3071, 0.3063

Tritanomaly

84.2346, 0.3012, 0.3099

Monochromacy



Original Color

84.2988, 0.3006, 0.3089

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.3554, 0.3078, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2988, 0.3006, 0.3089 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(235, 235, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 84.2988, 0.3006, 0.3089 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(235, 235, 255) }
```

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

```
.border{ border-color:rgb(235, 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(235, 235, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 84.2988, 0.3006, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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