

Converting Colors

Yxy(84.6109, 0.2930, 0.3126)

Have a look what the booklet for
Yxy(84.6109, 0.2930, 0.3126)
contains.

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Color

Yxy(84.6410, 0.2931, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	DFEFFF
RGB	223, 239, 255
RGB Percent	87%, 94%, 100%
CMY	0.1253, 0.0628, 0.0000
CMYK	0.13, 0.06, 0.00, 0.00
HSL	210°, 100%, 94%
HSV	210°, 13%, 100%
XYZ	79.3611, 84.6410, 106.7625
YIQ	236.0400, -14.6720, 1.5840

Conversions

Conversions Part 2

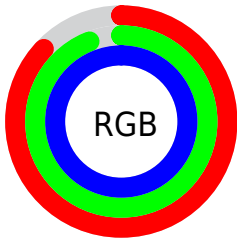
Format	Color
R _Y B	223, 234, 255
Decimal	14675967
CIE Lab	93.73, -2.14, -9.51
CIE LCh	94, 9.745, 257.307
Yxy	84.6410, 0.2931, 0.3126
Android (android.graphics.Color)	4292866047 (0xFFDFEFFF)
YUV	236.0400, 9.3473, -11.4361
Hunter-Lab	92.0005, -7.0241, -4.4030

Details

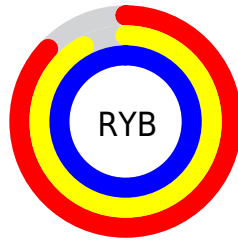
The Yxy color **84.6410, 0.2931, 0.3126** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3649, 0.3335, 0.3449**, and the grayscale version is **83.8572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2690, 0.2892, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **73.6717, 0.2768, 0.2978**, and if you desaturate by 10%, it is **96.7564, 0.3088, 0.3259**.

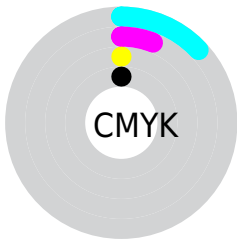
Distribution



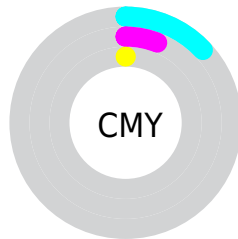
- Red (87%)
- Green (94%)
- Blue (100%)



- Red (87%)
- Yellow (92%)
- Blue (100%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6410, 0.2931, 0.3126 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 84.6410, 0.2931, 0.3126 by changing the saturation by 10% instead.

84.6410, 0.2931,
0.3126

84.6410, 0.2931,
0.3126

510.4394, 0.3019,
0.3200

63.5448, 0.2912,
0.3110

139.8715, 0.2961,
0.3151

46.2821, 0.2888,
0.3089

174.7746, 0.2973,
0.3161

32.4685, 0.2858,
0.3064

215.0487, 0.2983,
0.3170

21.7196, 0.2820,
0.3032

261.0783, 0.2992,
0.3177

13.6510, 0.2770,
0.2989

313.2478, 0.3000,
0.3184

7.8783, 0.2701,
0.2928

371.9416, 0.3007,

4.0172, 0.2598,

0.3190

0.2838

437.5440, 0.3013,
0.3195

■ 1.6832, 0.2431,
0.2690

■ 0.4127, 0.1814,
0.2202

■ 84.6410, 0.2931,
0.3126

■ 84.6410, 0.2931,
0.3126

■ 73.6717, 0.2768,
0.2978

■ 96.7564, 0.3088,
0.3259

■ 63.8003, 0.2603,
0.2816

100.0000, 0.3127,
0.3290

■ 54.9897, 0.2439,
0.2639

■ 47.1965, 0.2280,
0.2452

■ 40.3738, 0.2133,
0.2256

■ 34.4698, 0.2003,
0.2058

■ 29.4262, 0.1894,
0.1862

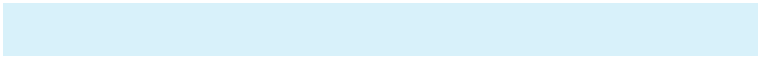
■ 25.1746, 0.1810,
0.1673

■ 22.4451, 0.1761,
0.1541

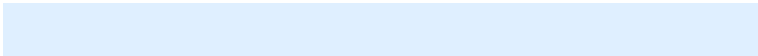
Harmonies

Analogous

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



84.6410, 0.2913, 0.3196



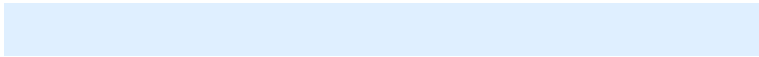
84.6410, 0.2931, 0.3126



84.6410, 0.3001, 0.3100

Triad

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



84.6410, 0.2931, 0.3126



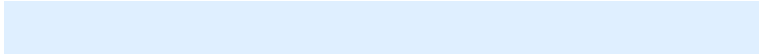
84.6410, 0.3307, 0.3282



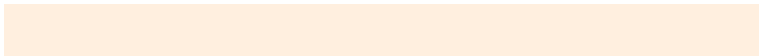
84.6410, 0.3145, 0.3464

Complementary

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



84.6410, 0.2931, 0.3126



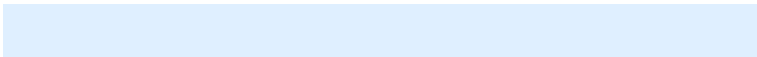
88.3649, 0.3335, 0.3449

Split Complementary

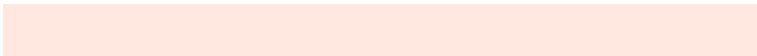
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6410, 0.3252, 0.3485



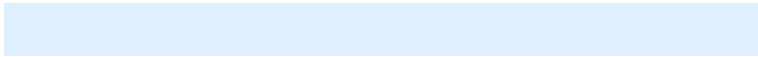
84.6410, 0.2931, 0.3126



84.6410, 0.3347, 0.3378

Square

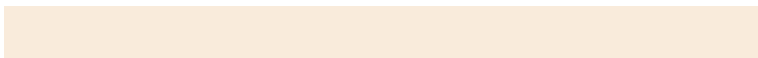
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6410, 0.2931, 0.3126



84.6410, 0.3218, 0.3190



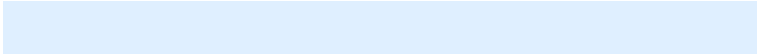
84.6410, 0.3327, 0.3453



84.6410, 0.3035, 0.3394

Rectangle

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



84.6410, 0.2931, 0.3126



84.6410, 0.3069, 0.3111



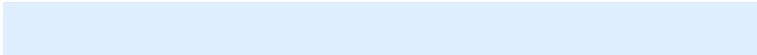
84.6410, 0.3327, 0.3453



84.6410, 0.3183, 0.3477

Sweetspot

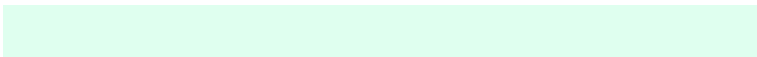
The Sweet Spot groups the original color and five complimentary colors.



84.6444, 0.2931, 0.3126



94.8976, 0.3066, 0.3240



93.4512, 0.3022, 0.3453



20.1111, 0.3054, 0.3231



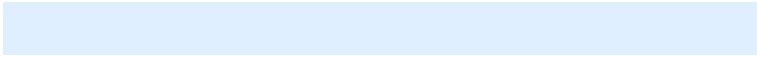
0.0000, 0.0000, 0.0000



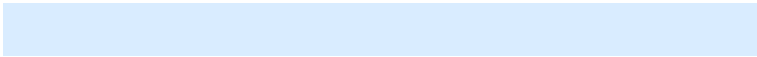
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6444, 0.2931, 0.3126



81.8247, 0.2891, 0.3091



75.7247, 0.2927, 0.2959



18.8745, 0.2979, 0.3168



12.0265, 0.1769, 0.1569



1.3893, 0.1827, 0.1776

Inverse Universe

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



80.2986, 0.3247, 0.3133



76.8030, 0.3275, 0.3101



98.1109, 0.3315, 0.3601



18.1382, 0.3216, 0.3172



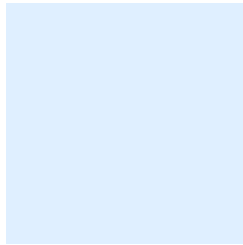
11.9420, 0.4970, 0.2511



1.1848, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 84.6410, 0.2931, 0.3126 looks on a white background.

Color Contrast Check

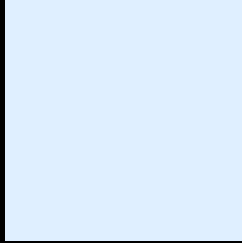
Large Text (above 18pt) WCAG AA × Fail

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 84.6410, 0.2931, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

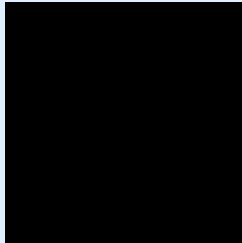
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

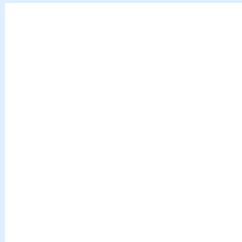
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6410, 0.2931, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 84.6410, 0.2931, 0.3126.



This preview shows how white text looks on a background with the Yxy color 84.6410, 0.2931, 0.3126.

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

84.6410, 0.2931, 0.3126

Protanopia

84.3414, 0.3024, 0.3109

Deuteranopia

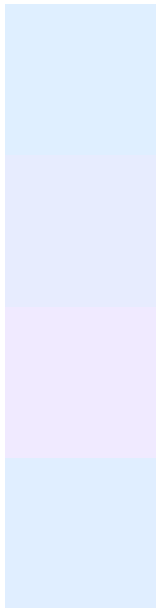
84.5116, 0.3098, 0.3055



Tritanopia

84.3766, 0.2943, 0.3116

Trichromacy



Original Color

84.6410, 0.2931, 0.3126

Protanomaly

84.1356, 0.2986, 0.3108

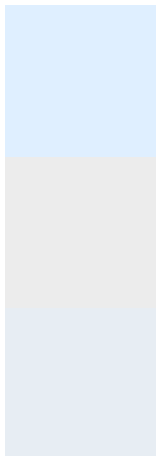
Deuteranomaly

84.5909, 0.3038, 0.3081

Tritanomaly

84.2164, 0.2937, 0.3116

Monochromacy



Original Color

84.6410, 0.2931, 0.3126

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0284, 0.3051, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6410, 0.2931, 0.3126 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(223, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 239, 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(223, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.6410, 0.2931, 0.3126 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(223, 239, 255) }
```

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

```
.border{ border-color:rgb(223, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6410, 0.2931, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 239, 255) }
```

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

```
.background{ background-color: rgb(223,  
239, 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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