

Converting Colors

$Yxy(91.2960, 0.2468, 0.2379)$

Have a look what the booklet for
Yxy(91.2960, 0.2468, 0.2379)
contains.

Yxy(84.5777, 0.2883, 0.3145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.5777, 0.2883, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	D7F1FF
RGB	215, 241, 255
RGB Percent	84%, 95%, 100%
CMY	0.1567, 0.0549, 0.0001
CMYK	0.16, 0.05, 0.00, 0.00
HSL	201°, 100%, 92%
HSV	201°, 16%, 100%
XYZ	77.5318, 84.5777, 106.8180
YIQ	234.8220, -19.9900, -1.1580

Conversions

Conversions Part 2

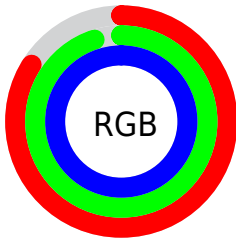
Format	Color
R_{YB}	215, 231, 255
Decimal	14152191
CIE _{Lab}	93.70, -5.67, -9.59
CIE _{LCh}	94, 11.139, 239.407
Yxy	84.5777, 0.2883, 0.3145
Android (android.graphics.Color)	4292342271 (0xFFD7F1FF)
YUV	234.8220, 9.9478, -17.3839
Hunter-Lab	91.9661, -10.4568, -4.4886

Details

The Yxy color **84.5777, 0.2883, 0.3145** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.1999, 0.3402, 0.3431**, and the grayscale version is **82.8745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2487, 0.2832, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **75.8660, 0.2727, 0.3040**, and if you desaturate by 10%, it is **94.1563, 0.3039, 0.3240**.

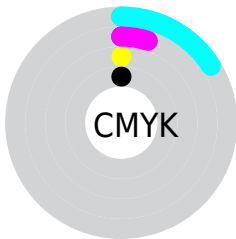
Distribution



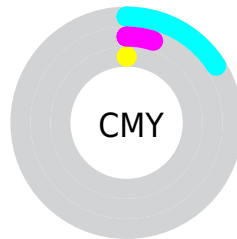
- Red (84%)
- Green (95%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5777, 0.2883, 0.3145 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 84.5777, 0.2883, 0.3145 by changing the saturation by 10% instead.

84.5777, 0.2883,
0.3145

84.5777, 0.2883,
0.3145

510.2297, 0.2992,
0.3211

63.4925, 0.2859,
0.3130

139.7830, 0.2920,
0.3168

46.2398, 0.2830,
0.3112

174.6719, 0.2935,
0.3177

32.4351, 0.2793,
0.3089

214.9308, 0.2948,
0.3184

21.6940, 0.2746,
0.3060

260.9442, 0.2959,
0.3191

13.6322, 0.2685,
0.3020

313.0963, 0.2969,
0.3197

7.8653, 0.2599,
0.2964

371.7717, 0.2977,

4.0089, 0.2474,

0.3202

0.2880

437.3547, 0.2985,
0.3207

■ 1.6785, 0.2272,
0.2738

■ 0.4097, 0.1406,
0.2295

■ 84.5777, 0.2883,
0.3145

■ 84.5777, 0.2883,
0.3145

■ 75.8660, 0.2727,
0.3040

■ 94.1563, 0.3039,
0.3240

■ 67.9793, 0.2574,
0.2926

99.9979, 0.3127,
0.3290

■ 60.8875, 0.2428,
0.2804

■ 54.5539, 0.2293,
0.2675

■ 48.9386, 0.2173,
0.2541

■ 43.9966, 0.2072,
0.2404

■ 39.6761, 0.1991,
0.2268

■ 35.9136, 0.1932,
0.2135

■ 34.4170, 0.1911,
0.2078

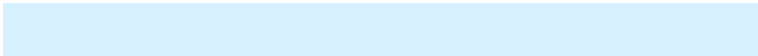
Harmonies

Analogous

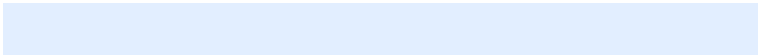
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5777, 0.2901, 0.3248



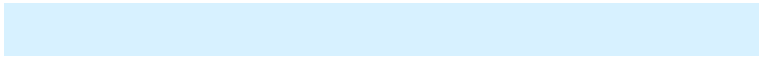
84.5777, 0.2883, 0.3145



84.5777, 0.2929, 0.3084

Triad

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



84.5777, 0.2883, 0.3145



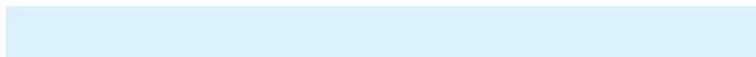
84.5777, 0.3277, 0.3215



84.5777, 0.3223, 0.3512

Complementary

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



84.5777, 0.2883, 0.3145



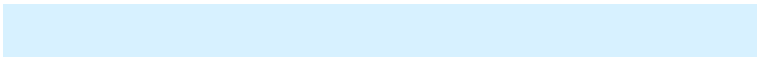
82.1999, 0.3402, 0.3431

Split Complementary

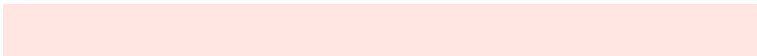
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5777, 0.3327, 0.3498



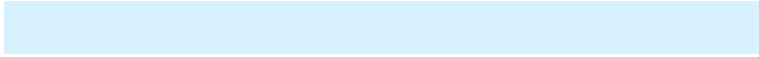
84.5777, 0.2883, 0.3145



84.5777, 0.3359, 0.3325

Square

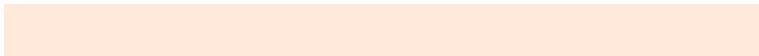
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



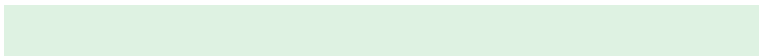
84.5777, 0.2883, 0.3145



84.5777, 0.3155, 0.3126



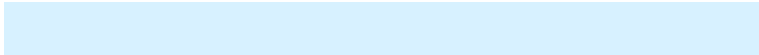
84.5777, 0.3377, 0.3429



84.5777, 0.3095, 0.3463

Rectangle

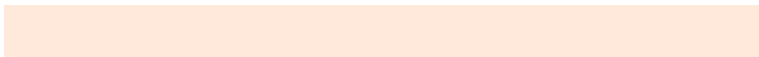
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5777, 0.2883, 0.3145



84.5777, 0.2991, 0.3074



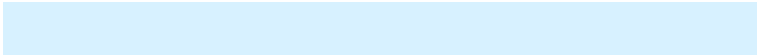
84.5777, 0.3377, 0.3429



84.5777, 0.3262, 0.3514

Sweetspot

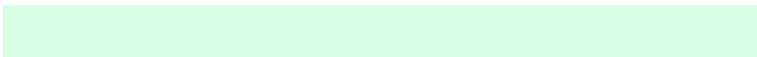
The Sweet Spot groups the original color and five complimentary colors.



84.5812, 0.2883, 0.3145



94.8494, 0.3050, 0.3246



91.5720, 0.3033, 0.3568



20.1506, 0.3039, 0.3240



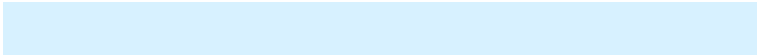
0.0000, 0.0000, 0.0000



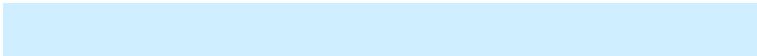
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5812, 0.2883, 0.3145



81.6021, 0.2831, 0.3111



73.7470, 0.2875, 0.2940



19.3494, 0.2980, 0.3205



18.2794, 0.1917, 0.2100



1.9848, 0.1959, 0.2251

Inverse Universe

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



76.2222, 0.3240, 0.3033



71.8442, 0.3268, 0.2977



93.4886, 0.3373, 0.3618



18.1861, 0.3192, 0.3137



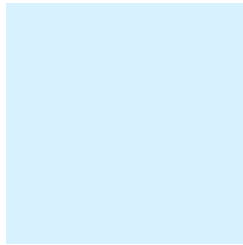
12.5733, 0.4341, 0.2165



1.2449, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 84.5777, 0.2883, 0.3145 looks on a white background.

Color Contrast Check

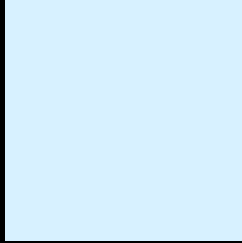
Large Text (above 18pt) WCAG AA × Fail

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 84.5777, 0.2883, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

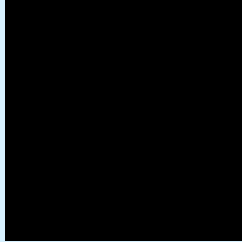
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

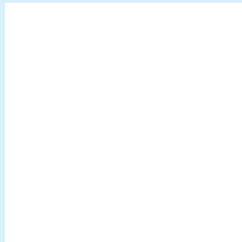
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5777, 0.2883, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 84.5777, 0.2883, 0.3145.



This preview shows how white text looks on a background with the Yxy color 84.5777, 0.2883, 0.3145.

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

84.5777, 0.2883, 0.3145

Protanopia

84.2146, 0.3036, 0.3129

Deuteranopia

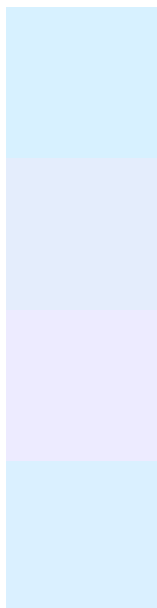
84.5116, 0.3098, 0.3055



Tritanopia

84.7558, 0.2913, 0.3136

Trichromacy



Original Color

84.5777, 0.2883, 0.3145

Protanomaly

84.0906, 0.2979, 0.3137

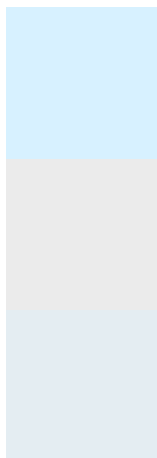
Deuteranomaly

84.6412, 0.3019, 0.3090

Tritanomaly

84.4456, 0.2900, 0.3135

Monochromacy



Original Color

84.5777, 0.2883, 0.3145

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4732, 0.3038, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5777, 0.2883, 0.3145 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(215, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 241, 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(215, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.5777, 0.2883, 0.3145 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(215, 241, 255) }
```

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

```
.border{ border-color:rgb(215, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5777, 0.2883, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 241, 255) }
```

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

```
.background{ background-color: rgb(215,  
241, 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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