

Converting Colors

$Y_{xy}(85.2715, 0.2901, 0.3127)$

Have a look what the booklet for
Yxy(85.2715, 0.2901, 0.3127)
contains.

Yxy(85.3462, 0.2913, 0.3146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.3462, 0.2913, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	DCF1FF
RGB	220, 241, 255
RGB Percent	86%, 95%, 100%
CMY	0.1372, 0.0549, 0.0000
CMYK	0.14, 0.05, 0.00, 0.00
HSL	204°, 100%, 93%
HSV	204°, 14%, 100%
XYZ	79.0253, 85.3462, 106.9133
YIQ	236.3170, -17.0100, -0.0980

Conversions

Conversions Part 2

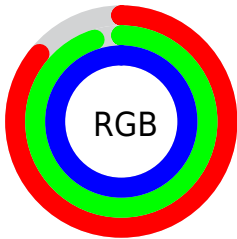
Format	Color
R _Y B	220, 233, 255
Decimal	14479871
CIE Lab	94.03, -4.12, -9.08
CIE LCh	94, 9.966, 245.605
Yxy	85.3462, 0.2913, 0.3146
Android (android.graphics.Color)	4292669951 (0xFFDCFF)
YUV	236.3170, 9.2107, -14.3100
Hunter-Lab	92.3830, -8.9797, -3.9472

Details

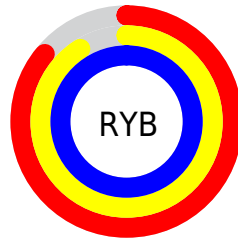
The Yxy color **85.3462, 0.2913, 0.3146** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2879, 0.3362, 0.3430**, and the grayscale version is **84.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7745, 0.2870, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **75.7945, 0.2754, 0.3028**, and if you desaturate by 10%, it is **95.8504, 0.3070, 0.3253**.

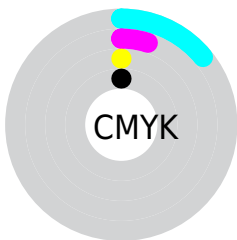
Distribution



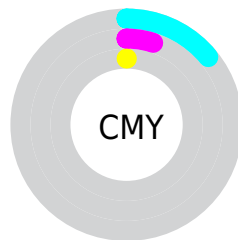
- Red (86%)
- Green (95%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3462, 0.2913, 0.3146 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 85.3462, 0.2913, 0.3146 by changing the saturation by 10% instead.

85.3462, 0.2913,
0.3146

85.3462, 0.2913,
0.3146

512.7729, 0.3009,
0.3211

64.1275, 0.2892,
0.3131

140.8568, 0.2946,
0.3168

46.7539, 0.2866,
0.3114

175.9174, 0.2958,
0.3177

32.8412, 0.2834,
0.3091

216.3608, 0.2970,
0.3185

22.0048, 0.2793,
0.3062

262.5713, 0.2979,
0.3191

13.8604, 0.2739,
0.3024

314.9334, 0.2988,
0.3197

8.0237, 0.2664,
0.2970

373.8315, 0.2996,

4.1101, 0.2554,

0.3202

0.2889

439.6498, 0.3003,
0.3207

■ 1.7353, 0.2376,
0.2755

■ 0.4464, 0.1705,
0.2350

■ 85.3462, 0.2913,
0.3146

■ 85.3462, 0.2913,
0.3146

■ 75.7945, 0.2754,
0.3028

■ 95.8504, 0.3070,
0.3253

■ 67.1519, 0.2597,
0.2898

99.9999, 0.3127,
0.3290

■ 59.3867, 0.2444,
0.2758

■ 52.4611, 0.2300,
0.2610

■ 46.3337, 0.2169,
0.2456

■ 40.9585, 0.2056,
0.2299

■ 36.2831, 0.1964,
0.2142

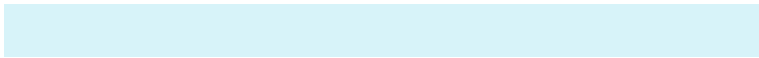
■ 32.2446, 0.1894,
0.1988

■ 29.9786, 0.1860,
0.1894

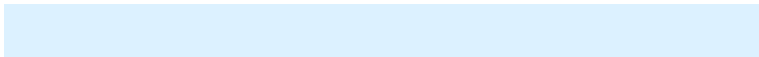
Harmonies

Analogous

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



85.3462, 0.2917, 0.3232



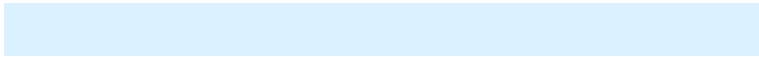
85.3462, 0.2913, 0.3146



85.3462, 0.2965, 0.3101

Triad

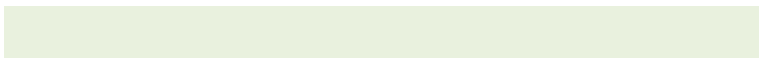
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3462, 0.2913, 0.3146



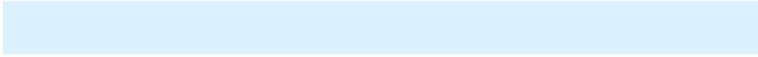
85.3462, 0.3280, 0.3243



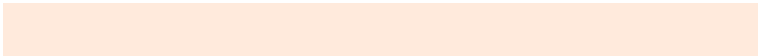
85.3462, 0.3190, 0.3483

Complementary

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



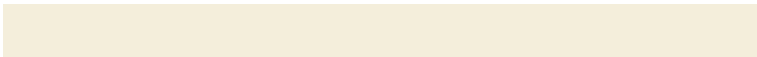
85.3462, 0.2913, 0.3146



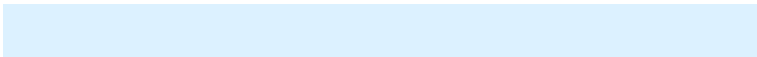
85.2879, 0.3362, 0.3430

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.



85.3462, 0.3290, 0.3483



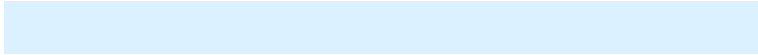
85.3462, 0.2913, 0.3146



85.3462, 0.3342, 0.3342

Square

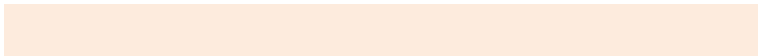
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



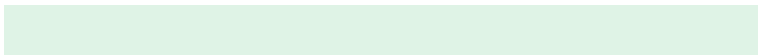
85.3462, 0.2913, 0.3146



85.3462, 0.3176, 0.3157



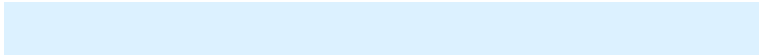
85.3462, 0.3346, 0.3430



85.3462, 0.3075, 0.3429

Rectangle

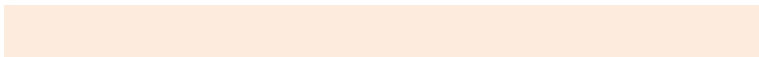
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3462, 0.2913, 0.3146



85.3462, 0.3026, 0.3098



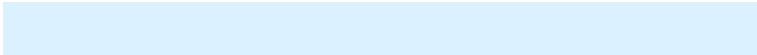
85.3462, 0.3346, 0.3430



85.3462, 0.3227, 0.3489

Sweetspot

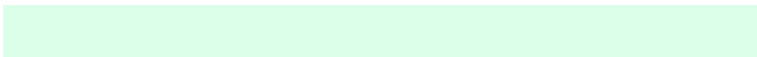
The Sweet Spot groups the original color and five complimentary colors.



85.3497, 0.2913, 0.3146



95.5391, 0.3065, 0.3250



92.6799, 0.3032, 0.3506



20.2735, 0.3054, 0.3243



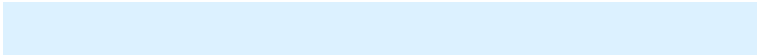
0.0000, 0.0000, 0.0000



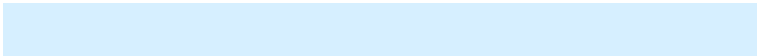
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3497, 0.2913, 0.3146



83.0854, 0.2877, 0.3120



75.4947, 0.2907, 0.2962



19.1899, 0.2979, 0.3193



15.9649, 0.1867, 0.1919



1.7684, 0.1914, 0.2091

Inverse Universe

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



78.8103, 0.3236, 0.3083



75.6669, 0.3257, 0.3048



95.7362, 0.3338, 0.3598



18.1700, 0.3200, 0.3148



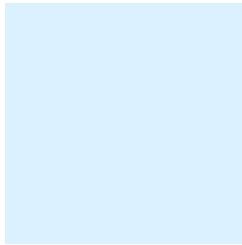
12.3396, 0.4545, 0.2278



1.2231, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 85.3462, 0.2913, 0.3146 looks on a white background.

Color Contrast Check

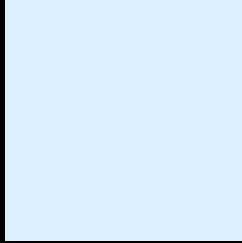
Large Text (above 18pt) WCAG AA × Fail

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 85.3462, 0.2913, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

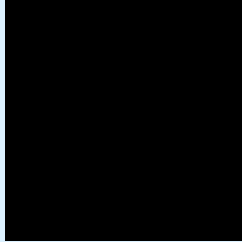
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

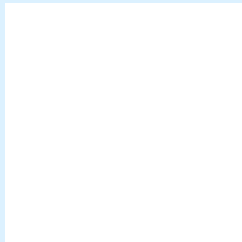
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3462, 0.2913, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 85.3462, 0.2913, 0.3146.



This preview shows how white text looks on a background with the Yxy color 85.3462, 0.2913, 0.3146.

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

85.3462, 0.2913, 0.3146

Protanopia

85.1963, 0.3043, 0.3130

Deuteranopia

85.2572, 0.3104, 0.3066



Tritanopia

85.3875, 0.2937, 0.3137

Trichromacy



Original Color

85.3462, 0.2913, 0.3146

Protanomaly

85.2298, 0.2992, 0.3138

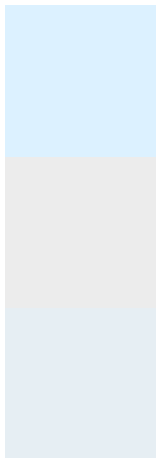
Deuteranomaly

84.9874, 0.3032, 0.3091

Tritanomaly

85.2282, 0.2931, 0.3136

Monochromacy



Original Color

85.3462, 0.2913, 0.3146

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.4431, 0.3045, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3462, 0.2913, 0.3146 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(220, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.3462, 0.2913, 0.3146 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(220, 241, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3462, 0.2913, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 241, 255) }
```

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

```
.background{ background-color: rgb(220,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor