

Converting Colors

Yxy(84.4553, 0.2899, 0.3156)

Have a look what the booklet for
Yxy(84.4553, 0.2899, 0.3156)
contains.

Yxy(84.6653, 0.2894, 0.3155)	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(84.6653, 0.2894, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	D8F1FE
RGB	216, 241, 254
RGB Percent	85%, 95%, 100%
CMY	0.1530, 0.0549, 0.0039
CMYK	0.15, 0.05, 0.00, 0.00
HSL	201°, 95%, 92%
HSV	201°, 15%, 100%
XYZ	77.6613, 84.6653, 106.0262
YIQ	235.0070, -19.0730, -1.2570

Conversions

Conversions Part 2

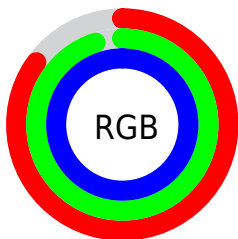
Format	Color
R _Y B	216, 231, 254
Decimal	14217726
CIE Lab	93.74, -5.57, -9.03
CIE LCh	94, 10.611, 238.324
Yxy	84.6653, 0.2894, 0.3155
Android (android.graphics.Color)	4292407806 (0xFFD8F1FE)
YUV	235.0070, 9.3635, -16.6691
Hunter-Lab	92.0137, -10.3668, -3.9094

Details

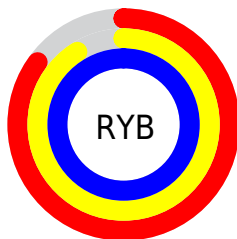
The Yxy color **84.6653, 0.2894, 0.3155** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.0642, 0.3389, 0.3421**, and the grayscale version is **83.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3062, 0.2847, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **76.0732, 0.2738, 0.3053**, and if you desaturate by 10%, it is **94.1077, 0.3050, 0.3248**.

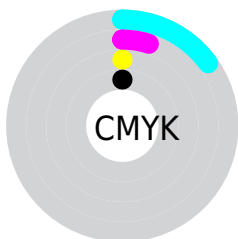
Distribution



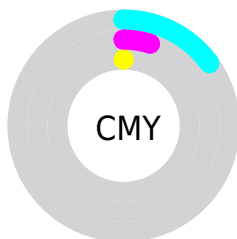
- Red (85%)
- Green (95%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6653, 0.2894, 0.3155 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 84.6653, 0.2894, 0.3155 by changing the saturation by 10% instead.

84.6653, 0.2894,
0.3155

84.6653, 0.2894,
0.3155

510.5199, 0.2998,
0.3217

63.5649, 0.2871,
0.3141

139.9055, 0.2930,
0.3176

46.2983, 0.2843,
0.3124

174.8140, 0.2944,
0.3184

32.4813, 0.2808,
0.3103

215.0940, 0.2956,
0.3192

21.7294, 0.2763,
0.3075

261.1298, 0.2966,
0.3198

13.6582, 0.2704,
0.3038

313.3059, 0.2976,
0.3203

7.8833, 0.2623,
0.2986

372.0067, 0.2984,

4.0204, 0.2503,

0.3208

0.2908

437.6166, 0.2992,
0.3213

■ 1.6850, 0.2309,
0.2775

■ 0.4139, 0.1464,
0.2354

■ 84.6653, 0.2894,
0.3155

■ 84.6653, 0.2894,
0.3155

■ 76.0732, 0.2738,
0.3053

■ 94.1077, 0.3050,
0.3248

■ 68.2901, 0.2585,
0.2942

99.9367, 0.3133,
0.3299

■ 61.2866, 0.2440,
0.2823

■ 55.0270, 0.2305,
0.2698

■ 49.4720, 0.2185,
0.2567

■ 44.5780, 0.2084,
0.2435

■ 40.2942, 0.2003,
0.2302

■ 36.5593, 0.1943,
0.2171

■ 34.8461, 0.1919,
0.2107

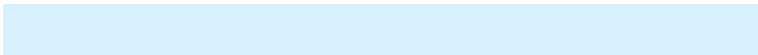
Harmonies

Analogous

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



84.6653, 0.2913, 0.3254



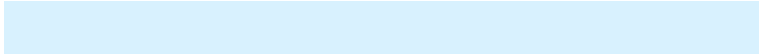
84.6653, 0.2894, 0.3155



84.6653, 0.2936, 0.3095

Triad

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



84.6653, 0.2894, 0.3155



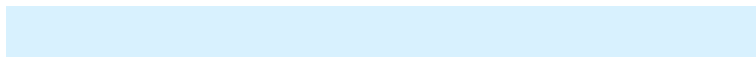
84.6653, 0.3266, 0.3215



84.6653, 0.3223, 0.3502

Complementary

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



84.6653, 0.2894, 0.3155



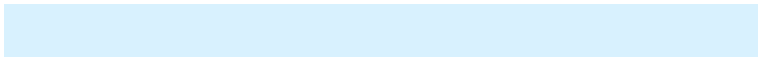
82.0642, 0.3389, 0.3421

Split Complementary

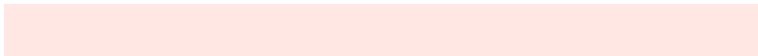
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6653, 0.3320, 0.3487



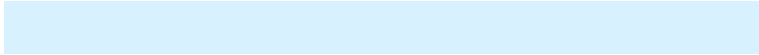
84.6653, 0.2894, 0.3155



84.6653, 0.3346, 0.3320

Square

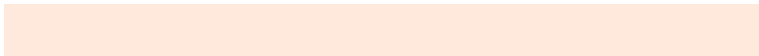
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6653, 0.2894, 0.3155



84.6653, 0.3150, 0.3131



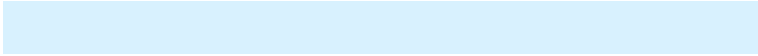
84.6653, 0.3366, 0.3419



84.6653, 0.3101, 0.3457

Rectangle

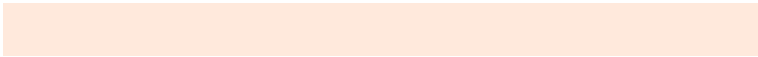
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6653, 0.2894, 0.3155



84.6653, 0.2993, 0.3084



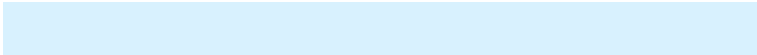
84.6653, 0.3366, 0.3419



84.6653, 0.3260, 0.3503

Sweetspot

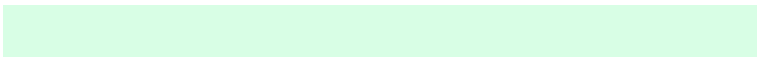
The Sweet Spot groups the original color and five complimentary colors.



84.6688, 0.2894, 0.3155



95.9110, 0.3065, 0.3256



91.1280, 0.3037, 0.3555



20.3677, 0.3054, 0.3249



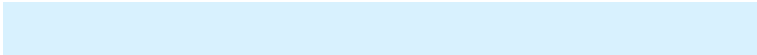
0.0000, 0.0000, 0.0000



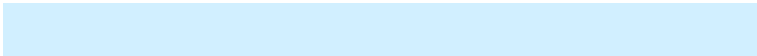
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6688, 0.2894, 0.3155



82.7000, 0.2847, 0.3125



74.1672, 0.2887, 0.2957



19.3738, 0.2980, 0.3207



18.6540, 0.1924, 0.2128



2.0195, 0.1966, 0.2276

Inverse Universe

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



76.5286, 0.3232, 0.3042



73.1599, 0.3257, 0.2990



92.9669, 0.3362, 0.3603



18.1886, 0.3191, 0.3135



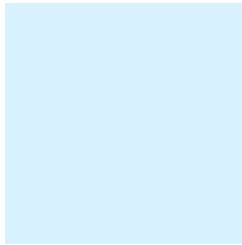
12.6111, 0.4311, 0.2148



1.2484, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 84.6653, 0.2894, 0.3155 looks on a white background.

Color Contrast Check

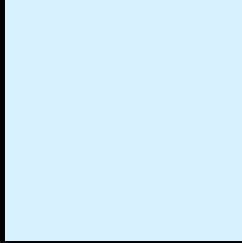
Large Text (above 18pt) WCAG AA × Fail

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 84.6653, 0.2894, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

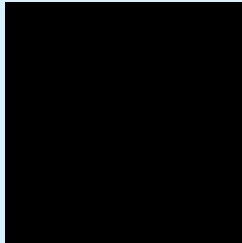
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

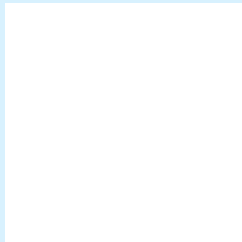
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6653, 0.2894, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 84.6653, 0.2894, 0.3155.



This preview shows how white text looks on a background with the Yxy color 84.6653, 0.2894, 0.3155.

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

84.6653, 0.2894, 0.3155

Protanopia

84.3233, 0.3049, 0.3139

Deuteranopia

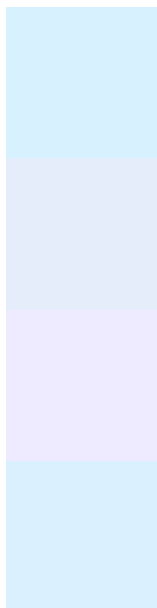
84.1376, 0.3105, 0.3046



Tritanopia

84.3252, 0.2918, 0.3126

Trichromacy



Original Color

84.6653, 0.2894, 0.3155

Protanomaly

84.1914, 0.2991, 0.3147

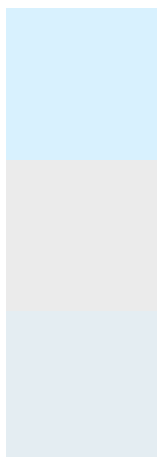
Deuteranomaly

84.2428, 0.3025, 0.3080

Tritanomaly

84.6002, 0.2906, 0.3135

Monochromacy



Original Color

84.6653, 0.2894, 0.3155

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 84.6653, 0.2894, 0.3155 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(216, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(216, 241, 254)  
}
```

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(216, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 241, 254) }
```

Border

The CSS property to change the border of an element to Yxy 84.6653, 0.2894, 0.3155 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(216, 241, 254) }
```

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

```
.border{ border-color:rgb(216, 241, 254) }
```

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

Here you see how a box with a 4 pixel rgb(216, 241, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(216, 241,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6653, 0.2894, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 241, 254) }
```

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

```
.background{ background-color: rgb(216,  
241, 254) }
```

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