

Converting Colors

$Yxy(84.2390, 0.2863, 0.3147)$

Have a look what the booklet for
Yxy(84.2390, 0.2863, 0.3147)
contains.

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Color

Yxy(84.1276, 0.2865, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	D4F1FF
RGB	212, 241, 255
RGB Percent	83%, 95%, 100%
CMY	0.1685, 0.0549, 0.0001
CMYK	0.17, 0.05, 0.00, 0.00
HSL	200°, 100%, 92%
HSV	200°, 17%, 100%
XYZ	76.6621, 84.1276, 106.7917
YIQ	233.9250, -21.7780, -1.7940

Conversions

Conversions Part 2

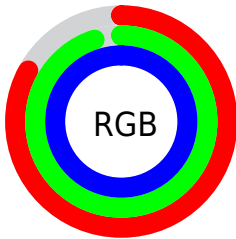
Format	Color
R_{YB}	212, 229, 255
Decimal	13955583
CIE Lab	93.51, -6.58, -9.91
CIE LCh	94, 11.895, 236.403
Yxy	84.1276, 0.2865, 0.3144
Android (android.graphics.Color)	4292145663 (0xFFD4F1FF)
YUV	233.9250, 10.3900, -19.2282
Hunter-Lab	91.7211, -11.3185, -4.8271

Details

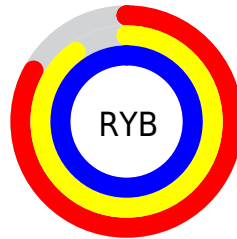
The Yxy color **84.1276, 0.2865, 0.3144** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4189, 0.3428, 0.3432**, and the grayscale version is **82.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9432, 0.2810, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **75.8302, 0.2710, 0.3046**, and if you desaturate by 10%, it is **93.2545, 0.3021, 0.3234**.

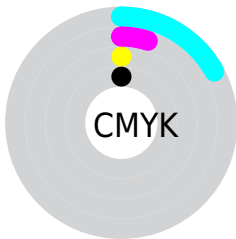
Distribution



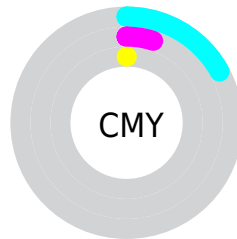
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1276, 0.2865, 0.3144 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 84.1276, 0.2865, 0.3144 by changing the saturation by 10% instead.

84.1276, 0.2865,
0.3144

84.1276, 0.2865,
0.3144

508.7369, 0.2982,
0.3211

63.1208, 0.2839,
0.3129

139.1537, 0.2905,
0.3167

45.9389, 0.2808,
0.3110

173.9417, 0.2921,
0.3176

32.1976, 0.2768,
0.3087

214.0923, 0.2934,
0.3184

21.5125, 0.2718,
0.3057

259.9898, 0.2946,
0.3191

13.4991, 0.2652,
0.3017

312.0186, 0.2957,
0.3197

7.7731, 0.2561,
0.2960

370.5631, 0.2966,

3.9501, 0.2426,

0.3202

0.2873

436.0077, 0.2975,
0.3207

■ 1.6457, 0.2210,
0.2727

■ 0.3881, 0.1211,
0.2257

■ 84.1276, 0.2865,
0.3144

■ 84.1276, 0.2865,
0.3144

■ 75.8302, 0.2710,
0.3046

■ 93.2545, 0.3021,
0.3234

■ 68.3210, 0.2560,
0.2939

99.9991, 0.3127,
0.3290

■ 61.5701, 0.2418,
0.2825

■ 55.5414, 0.2288,
0.2704

■ 50.1951, 0.2174,
0.2580

■ 45.4865, 0.2078,
0.2454

■ 41.3634, 0.2004,
0.2328

■ 37.7607, 0.1950,
0.2205

■ 36.7014, 0.1935,
0.2166

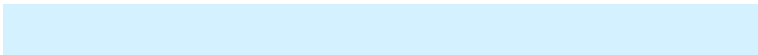
Harmonies

Analogous

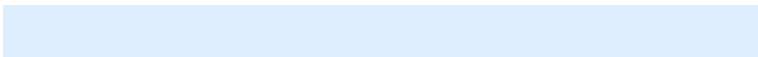
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1276, 0.2891, 0.3257



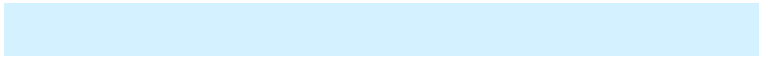
84.1276, 0.2865, 0.3144



84.1276, 0.2908, 0.3074

Triad

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



84.1276, 0.2865, 0.3144



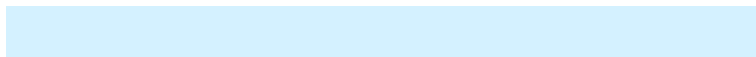
84.1276, 0.3276, 0.3199



84.1276, 0.3243, 0.3529

Complementary

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



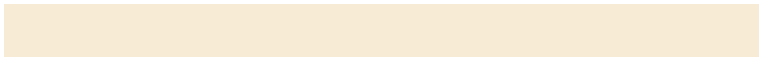
84.1276, 0.2865, 0.3144



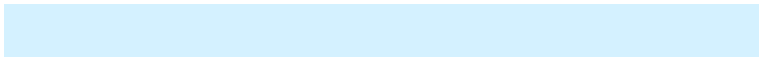
80.4189, 0.3428, 0.3432

Split Complementary

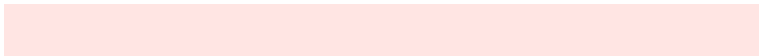
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1276, 0.3350, 0.3507



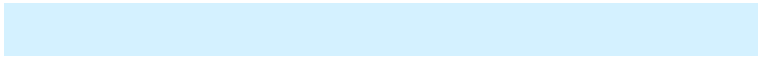
84.1276, 0.2865, 0.3144



84.1276, 0.3370, 0.3315

Square

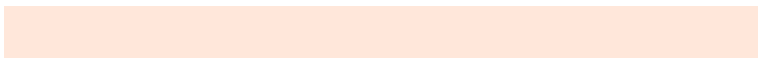
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



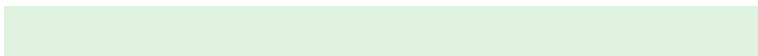
84.1276, 0.2865, 0.3144



84.1276, 0.3143, 0.3107



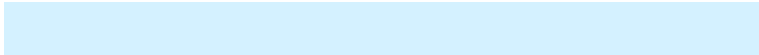
84.1276, 0.3397, 0.3428



84.1276, 0.3107, 0.3483

Rectangle

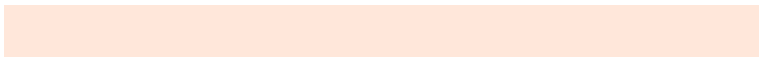
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1276, 0.2865, 0.3144



84.1276, 0.2970, 0.3059



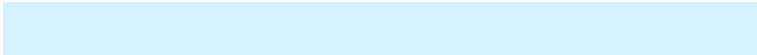
84.1276, 0.3397, 0.3428



84.1276, 0.3283, 0.3529

Sweetspot

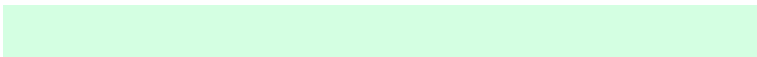
The Sweet Spot groups the original color and five complimentary colors.



84.1311, 0.2865, 0.3144



95.0406, 0.3050, 0.3249



90.9844, 0.3030, 0.3599



20.1971, 0.3039, 0.3243



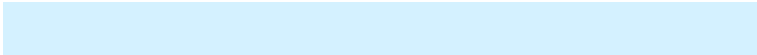
0.0000, 0.0000, 0.0000



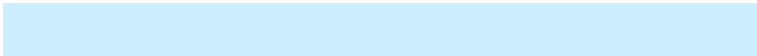
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1311, 0.2865, 0.3144



81.4338, 0.2816, 0.3114



72.3616, 0.2854, 0.2918



19.4256, 0.2980, 0.3211



19.4633, 0.1941, 0.2186



2.0942, 0.1980, 0.2327

Inverse Universe

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



74.7138, 0.3243, 0.3003



70.6417, 0.3268, 0.2948



92.6024, 0.3394, 0.3636



18.1938, 0.3188, 0.3131



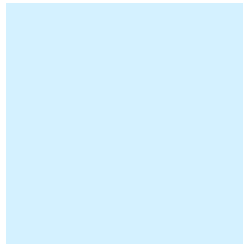
12.6928, 0.4247, 0.2113



1.2560, 0.4098, 0.2031

Previews

White Background



This preview shows how the Yxy color 84.1276, 0.2865, 0.3144 looks on a white background.

Color Contrast Check

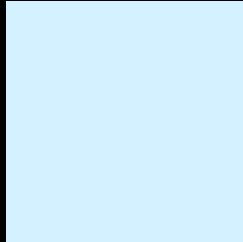
Large Text (above 18pt) WCAG AA × Fail

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 84.1276, 0.2865, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

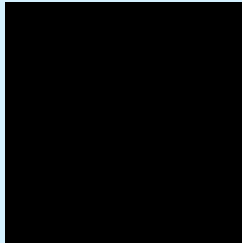
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

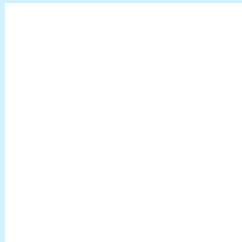
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1276, 0.2865, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 84.1276, 0.2865, 0.3144.



This preview shows how white text looks on a background with the Yxy color 84.1276, 0.2865, 0.3144.

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

84.1276, 0.2865, 0.3144

Protanopia

83.6435, 0.3036, 0.3119

Deuteranopia

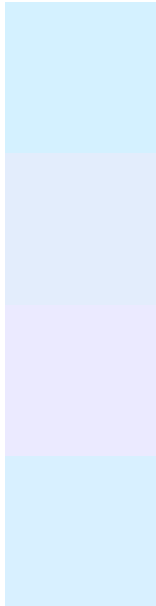
83.7701, 0.3092, 0.3045



Tritanopia

83.8584, 0.2900, 0.3125

Trichromacy



Original Color

84.1276, 0.2865, 0.3144

Protanomaly

83.9275, 0.2972, 0.3137

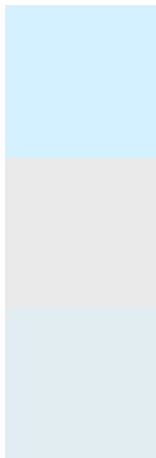
Deuteranomaly

83.7278, 0.3006, 0.3079

Tritanomaly

84.1391, 0.2888, 0.3134

Monochromacy



Original Color

84.1276, 0.2865, 0.3144

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.1479, 0.3025, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1276, 0.2865, 0.3144 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(212, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.1276, 0.2865, 0.3144 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(212, 241, 255) }
```

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

```
.border{ border-color:rgb(212, 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(212, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1276, 0.2865, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 241, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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