

Converting Colors

Yxy(84.3304, 0.2899, 0.3166)

Have a look what the booklet for
Yxy(84.3304, 0.2899, 0.3166)
contains.

Yxy(84.6014, 0.2900, 0.3165)	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(84.6014, 0.2900, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	D8F1FD
RGB	216, 241, 253
RGB Percent	85%, 95%, 99%
CMY	0.1527, 0.0549, 0.0078
CMYK	0.15, 0.05, 0.00, 0.01
HSL	200°, 90%, 92%
HSV	200°, 15%, 99%
XYZ	77.5179, 84.6014, 105.1837
YIQ	234.8930, -18.7520, -1.5680

Conversions

Conversions Part 2

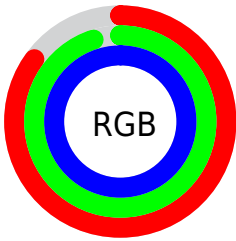
Format	Color
R _Y B	216, 231, 253
Decimal	14217725
CIE Lab	93.71, -5.74, -8.55
CIE LCh	94, 10.300, 236.126
Yxy	84.6014, 0.2900, 0.3165
Android (android.graphics.Color)	4292407805 (0xFFD8F1FD)
YUV	234.8930, 8.9268, -16.5692
Hunter-Lab	91.9790, -10.5275, -3.4165

Details

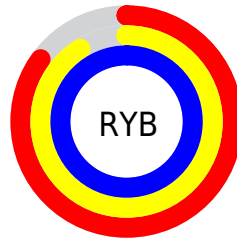
The Yxy color **84.6014, 0.2900, 0.3165** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.3796, 0.3383, 0.3412**, and the grayscale version is **82.9433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2605, 0.2854, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **76.2775, 0.2745, 0.3069**, and if you desaturate by 10%, it is **93.7460, 0.3056, 0.3253**.

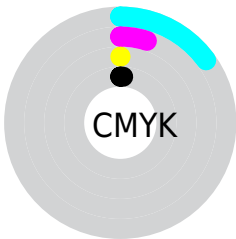
Distribution



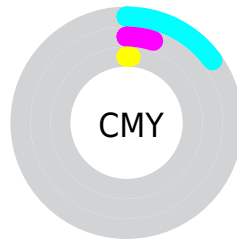
- Red (85%)
- Green (95%)
- Blue (99%)



- Red (85%)
- Yellow (91%)
- Blue (99%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6014, 0.2900, 0.3165 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 84.6014, 0.2900, 0.3165 by changing the saturation by 10% instead.

84.6014, 0.2900,
0.3165

84.6014, 0.2900,
0.3165

510.3082, 0.3002,
0.3222

63.5121, 0.2878,
0.3152

139.8161, 0.2935,
0.3185

46.2556, 0.2850,
0.3136

174.7103, 0.2948,
0.3192

32.4476, 0.2816,
0.3117

214.9750, 0.2960,
0.3199

21.7036, 0.2773,
0.3091

260.9944, 0.2970,
0.3205

13.6393, 0.2715,
0.3057

313.1531, 0.2980,
0.3210

7.8702, 0.2635,
0.3008

371.8353, 0.2988,

4.0120, 0.2518,

0.3214

0.2934

437.4256, 0.2995,
0.3218

■ 1.6803, 0.2328,
0.2810

■ 0.4108, 0.1465,
0.2404

■ 84.6014, 0.2900,
0.3165

■ 84.6014, 0.2900,
0.3165

■ 76.2775, 0.2745,
0.3069

■ 93.7460, 0.3056,
0.3253

■ 68.7339, 0.2593,
0.2964

99.8728, 0.3139,
0.3309

■ 61.9420, 0.2449,
0.2851

■ 55.8670, 0.2316,
0.2733

■ 50.4708, 0.2198,
0.2609

■ 45.7108, 0.2098,
0.2483

■ 41.5376, 0.2019,
0.2357

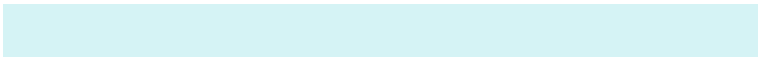
■ 37.8916, 0.1961,
0.2233

■ 36.0991, 0.1936,
0.2168

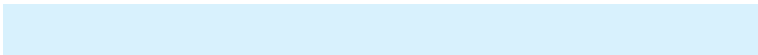
Harmonies

Analogous

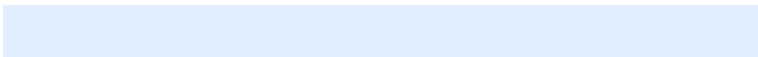
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6014, 0.2923, 0.3263



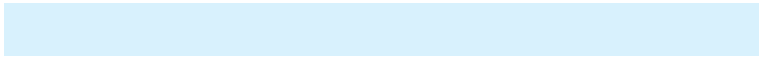
84.6014, 0.2900, 0.3165



84.6014, 0.2937, 0.3103

Triad

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



84.6014, 0.2900, 0.3165



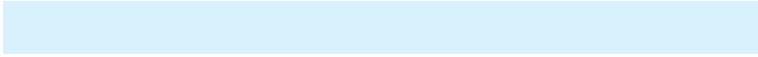
84.6014, 0.3255, 0.3211



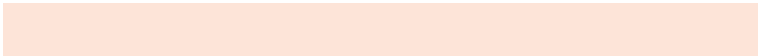
84.6014, 0.3228, 0.3496

Complementary

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



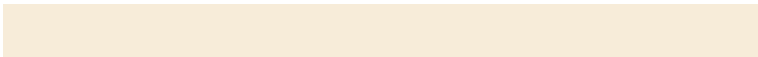
84.6014, 0.2900, 0.3165



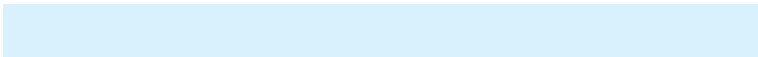
81.3796, 0.3383, 0.3412

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.



84.6014, 0.3320, 0.3478



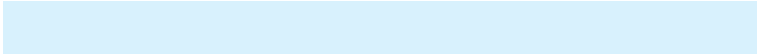
84.6014, 0.2900, 0.3165



84.6014, 0.3336, 0.3312

Square

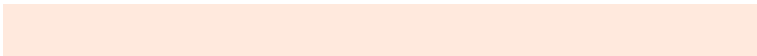
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6014, 0.2900, 0.3165



84.6014, 0.3140, 0.3131



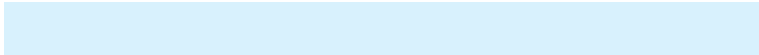
84.6014, 0.3360, 0.3409



84.6014, 0.3111, 0.3457

Rectangle

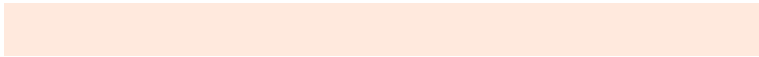
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6014, 0.2900, 0.3165



84.6014, 0.2990, 0.3090



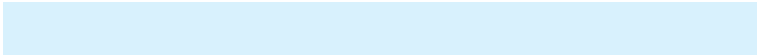
84.6014, 0.3360, 0.3409



84.6014, 0.3263, 0.3496

Sweetspot

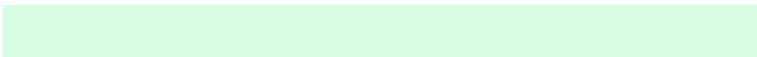
The Sweet Spot groups the original color and five complimentary colors.



84.6049, 0.2900, 0.3165



96.0171, 0.3065, 0.3258



90.4561, 0.3043, 0.3554



20.3946, 0.3054, 0.3251



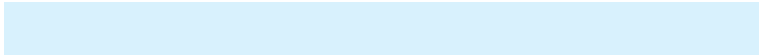
0.0000, 0.0000, 0.0000



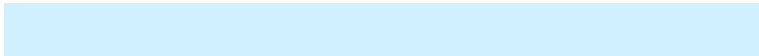
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6049, 0.2900, 0.3165



83.1478, 0.2847, 0.3133



74.3873, 0.2893, 0.2972



19.4265, 0.2980, 0.3211



19.4776, 0.1941, 0.2187



2.0955, 0.1980, 0.2328

Inverse Universe

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



76.3775, 0.3225, 0.3043



73.2051, 0.3252, 0.2983



91.9038, 0.3356, 0.3589



18.1939, 0.3188, 0.3131



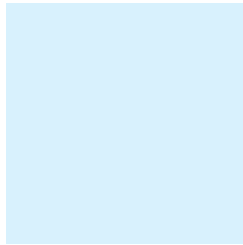
12.6942, 0.4246, 0.2113



1.2561, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 84.6014, 0.2900, 0.3165 looks on a white background.

Color Contrast Check

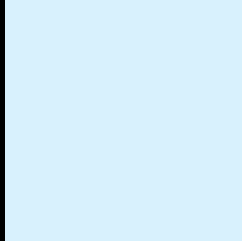
Large Text (above 18pt) WCAG AA × Fail

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 84.6014, 0.2900, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

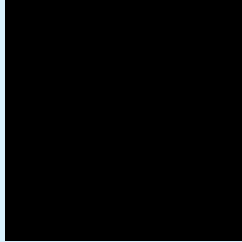
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

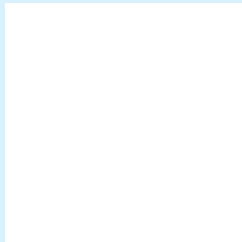
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6014, 0.2900, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 84.6014, 0.2900, 0.3165.



This preview shows how white text looks on a background with the Yxy color 84.6014, 0.2900, 0.3165.

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

84.6014, 0.2900, 0.3165

Protanopia

84.2607, 0.3055, 0.3149

Deuteranopia

84.3229, 0.3112, 0.3046



Tritanopia

84.3252, 0.2918, 0.3126

Trichromacy



Original Color

84.6014, 0.2900, 0.3165

Protanomaly

84.1285, 0.2997, 0.3157

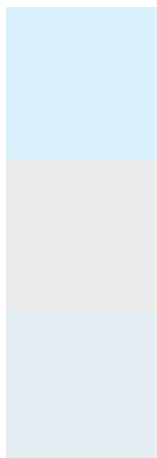
Deuteranomaly

84.1785, 0.3031, 0.3090

Tritanomaly

84.5360, 0.2912, 0.3145

Monochromacy



Original Color

84.6014, 0.2900, 0.3165

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 84.6014, 0.2900, 0.3165 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(216, 241, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 241, 253) }
```

Border

The CSS property to change the border of an element to Yxy 84.6014, 0.2900, 0.3165 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, 253) }
```

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

```
.border{ border-color:rgb(216, 241, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(216, 241,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6014, 0.2900, 0.3165 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, 253) }
```

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

```
.background{ background-color: rgb(216,  
241, 253) }
```

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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