

Converting Colors

Yxy(84.1670, 0.2898, 0.3161)

Have a look what the booklet for
Yxy(84.1670, 0.2898, 0.3161)
contains.

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Color

Yxy(84.0110, 0.2899, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	D8F0FD
RGB	216, 240, 253
RGB Percent	85%, 94%, 99%
CMY	0.1532, 0.0587, 0.0078
CMYK	0.15, 0.05, 0.00, 0.01
HSL	201°, 90%, 92%
HSV	201°, 15%, 99%
XYZ	77.1943, 84.0110, 105.0737
YIQ	234.3060, -18.4770, -1.0450

Conversions

Conversions Part 2

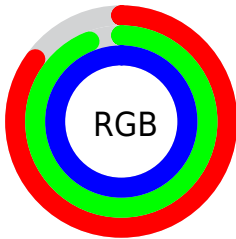
Format	Color
R _Y B	216, 231, 253
Decimal	14217469
CIE Lab	93.46, -5.29, -8.92
CIE LCh	93, 10.374, 239.344
Yxy	84.0110, 0.2899, 0.3155
Android (android.graphics.Color)	4292407549 (0xFFD8F0FD)
YUV	234.3060, 9.2161, -16.0544
Hunter-Lab	91.6575, -10.0674, -3.8082

Details

The Yxy color **84.0110, 0.2899, 0.3155** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.8290, 0.3382, 0.3421**, and the grayscale version is **82.4573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8436, 0.2853, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **75.3645, 0.2743, 0.3051**, and if you desaturate by 10%, it is **93.5123, 0.3055, 0.3249**.

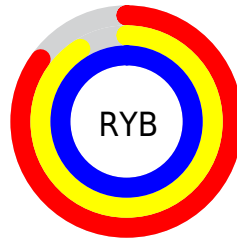
Distribution



Red (85%)

Green (94%)

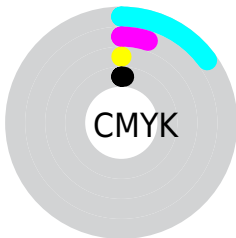
Blue (99%)



Red (85%)

Yellow (91%)

Blue (99%)

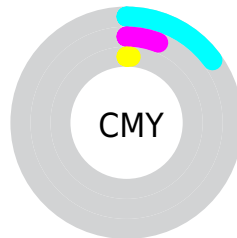


Cyan (15%)

Magenta (5%)

Yellow (0%)

Black (1%)



Cyan (15%)

Magenta (6%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0110, 0.2899, 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 84.0110, 0.2899, 0.3155 by changing the saturation by 10% instead.

84.0110, 0.2899,
0.3155

84.0110, 0.2899,
0.3155

508.3498, 0.3001,
0.3217

63.0245, 0.2876,
0.3141

138.9906, 0.2934,
0.3176

45.8610, 0.2849,
0.3124

173.7524, 0.2948,
0.3184

32.1362, 0.2815,
0.3103

213.8749, 0.2959,
0.3192

21.4655, 0.2771,
0.3075

259.7423, 0.2970,
0.3198

13.4647, 0.2713,
0.3038

311.7391, 0.2979,
0.3203

7.7493, 0.2632,
0.2986

370.2497, 0.2987,

3.9350, 0.2513,

0.3208

0.2907

435.6585, 0.2995,
0.3213

■ 1.6373, 0.2320,
0.2773

■ 0.3825, 0.1413,
0.2305

■ 84.0110, 0.2899,
0.3155

■ 84.0110, 0.2899,
0.3155

■ 75.3645, 0.2743,
0.3051

■ 93.5123, 0.3055,
0.3249

■ 67.5318, 0.2589,
0.2938

99.8718, 0.3139,
0.3309

■ 60.4834, 0.2442,
0.2816

■ 54.1839, 0.2306,
0.2687

■ 48.5944, 0.2185,
0.2554

■ 43.6713, 0.2081,
0.2418

■ 39.3646, 0.1998,
0.2281

■ 35.6135, 0.1937,
0.2147

■ 33.7897, 0.1910,
0.2077

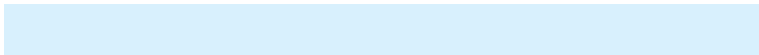
Harmonies

Analogous

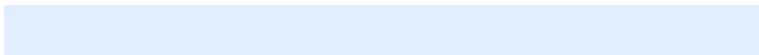
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0110, 0.2916, 0.3251



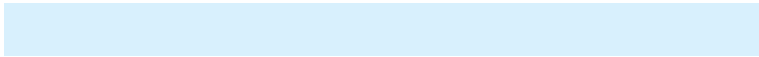
84.0110, 0.2899, 0.3155



84.0110, 0.2942, 0.3098

Triad

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



84.0110, 0.2899, 0.3155



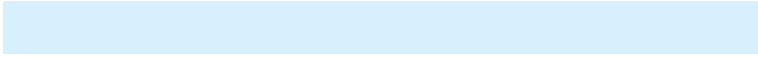
84.0110, 0.3267, 0.3220



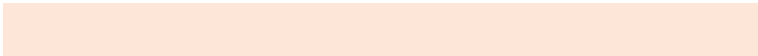
84.0110, 0.3217, 0.3497

Complementary

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



84.0110, 0.2899, 0.3155



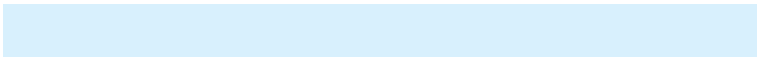
81.8290, 0.3382, 0.3421

Split Complementary

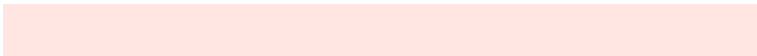
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0110, 0.3314, 0.3484



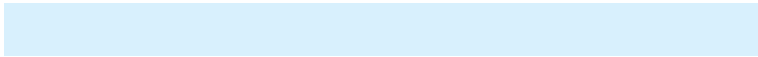
84.0110, 0.2899, 0.3155



84.0110, 0.3343, 0.3323

Square

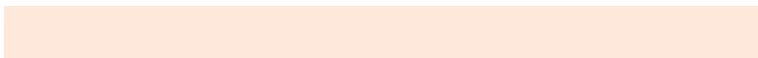
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0110, 0.2899, 0.3155



84.0110, 0.3153, 0.3136



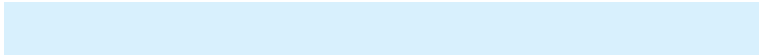
84.0110, 0.3361, 0.3420



84.0110, 0.3098, 0.3451

Rectangle

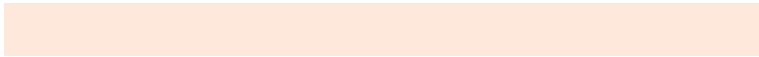
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0110, 0.2899, 0.3155



84.0110, 0.2999, 0.3088



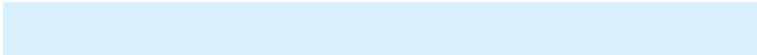
84.0110, 0.3361, 0.3420



84.0110, 0.3254, 0.3499

Sweetspot

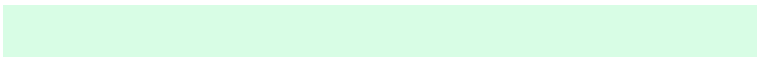
The Sweet Spot groups the original color and five complimentary colors.



84.0145, 0.2899, 0.3155



95.8589, 0.3065, 0.3255



90.4917, 0.3036, 0.3542



20.3545, 0.3054, 0.3248



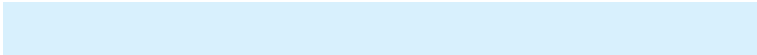
0.0000, 0.0000, 0.0000



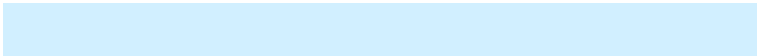
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0145, 0.2899, 0.3155



82.4807, 0.2846, 0.3121



73.6573, 0.2892, 0.2958



19.3480, 0.2980, 0.3205



18.2588, 0.1916, 0.2098



1.9829, 0.1958, 0.2250

Inverse Universe

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



76.2552, 0.3232, 0.3051



73.1377, 0.3260, 0.2994



92.6282, 0.3355, 0.3602



18.1860, 0.3192, 0.3137



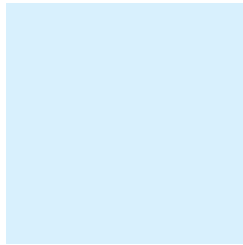
12.5712, 0.4343, 0.2166



1.2447, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 84.0110, 0.2899, 0.3155 looks on a white background.

Color Contrast Check

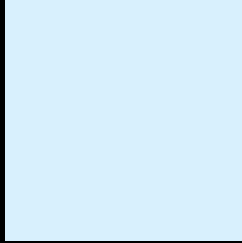
Large Text (above 18pt) WCAG AA × Fail

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 84.0110, 0.2899, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

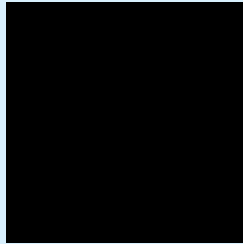
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

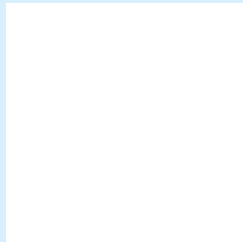
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0110, 0.2899, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 84.0110, 0.2899, 0.3155.



This preview shows how white text looks on a background with the Yxy color 84.0110, 0.2899, 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

84.0110, 0.2899, 0.3155

Protanopia

83.5806, 0.3042, 0.3129

Deuteranopia

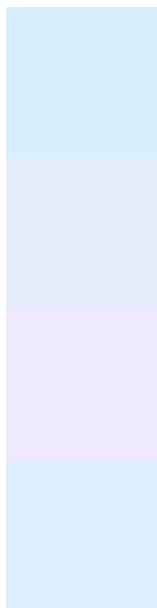
83.5826, 0.3105, 0.3036



Tritanopia

84.1686, 0.2912, 0.3125

Trichromacy



Original Color

84.0110, 0.2899, 0.3155

Protanomaly

83.6140, 0.2991, 0.3137

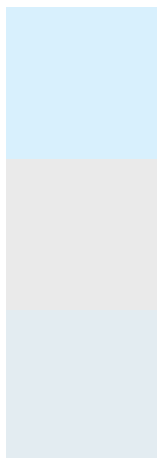
Deuteranomaly

83.6107, 0.3031, 0.3080

Tritanomaly

83.9488, 0.2912, 0.3135

Monochromacy



Original Color

84.0110, 0.2899, 0.3155

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6727, 0.3037, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0110, 0.2899, 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, 240, 253)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 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, 240, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 253) }
```

Border

The CSS property to change the border of an element to Yxy 84.0110, 0.2899, 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, 240, 253) }
```

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

```
.border{ border-color:rgb(216, 240, 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, 240, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 253);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0110, 0.2899, 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, 240, 253) }
```

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

```
.background{ background-color: rgb(216,  
240, 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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