

Converting Colors

$Yxy(89.4175, 0.2576, 0.2745)$

Have a look what the booklet for
Yxy(89.4175, 0.2576, 0.2745)
contains.

Yxy(86.1590, 0.2805, 0.3205)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.1590, 0.2805, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	C9F7FF
RGB	201, 247, 255
RGB Percent	79%, 97%, 100%
CMY	0.2116, 0.0314, 0.0000
CMYK	0.21, 0.03, 0.00, 0.00
HSL	189°, 100%, 89%
HSV	189°, 21%, 100%
XYZ	75.4059, 86.1590, 107.2619
YIQ	234.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

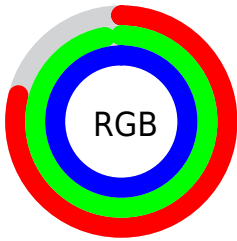
Format	Color
R _Y B	201, 226, 255
Decimal	13236223
CIE Lab	94.38, -12.91, -8.69
CIE LCh	94, 15.561, 213.956
Yxy	86.1590, 0.2805, 0.3205
Android (android.graphics.Color)	4291426303 (0xFFC9F7FF)
YUV	234.1580, 10.2751, -29.0796
Hunter-Lab	92.8219, -17.4298, -3.5383

Details

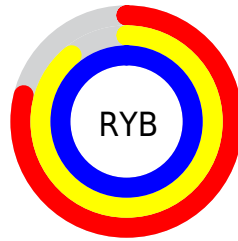
The Yxy color **86.1590, 0.2805, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1029, 0.3539, 0.3373**, and the grayscale version is **82.3507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4498, 0.2738, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **80.6259, 0.2663, 0.3160**, and if you desaturate by 10%, it is **92.3327, 0.2955, 0.3247**.

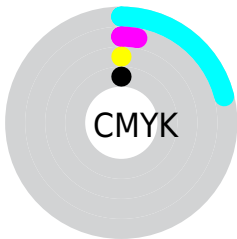
Distribution



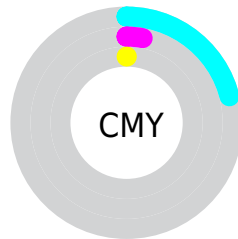
- Red (79%)
- Green (97%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1590, 0.2805, 0.3205 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 86.1590, 0.2805, 0.3205 by changing the saturation by 10% instead.

86.1590, 0.2805,
0.3205

86.1590, 0.2805,
0.3205

515.4553, 0.2948,
0.3245

64.7995, 0.2774,
0.3196

141.9913, 0.2854,
0.3219

47.2985, 0.2736,
0.3184

177.2329, 0.2873,
0.3224

33.2717, 0.2688,
0.3170

217.8707, 0.2889,
0.3229

22.3347, 0.2628,
0.3150

264.2890, 0.2904,
0.3233

14.1030, 0.2549,
0.3124

316.8722, 0.2917,
0.3237

8.1923, 0.2441,
0.3086

376.0047, 0.2929,

4.2183, 0.2283,

0.3240

0.3027

442.0710, 0.2939,
0.3243

■ 1.7964, 0.2035,
0.2922

■ 0.4849, 0.0821,
0.2729

■ 86.1590, 0.2805,
0.3205

■ 86.1590, 0.2805,
0.3205

■ 80.6259, 0.2663,
0.3160

■ 92.3327, 0.2955,
0.3247

■ 75.6938, 0.2533,
0.3111

■ 99.1636, 0.3109,
0.3286

■ 71.3343, 0.2417,
0.3061

■ 100.0000, 0.3127,
0.3290

■ 67.5129, 0.2318,
0.3008

■ 64.1905, 0.2237,
0.2955

■ 61.3226, 0.2177,
0.2901

■ 58.8558, 0.2135,
0.2848

■ 56.9357, 0.2112,
0.2802

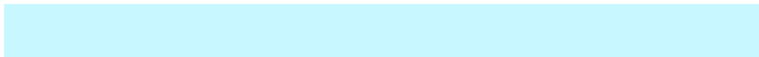
Harmonies

Analogous

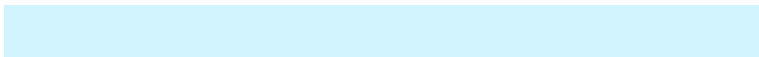
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1590, 0.2899, 0.3370



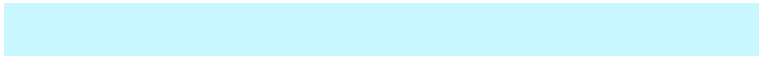
86.1590, 0.2805, 0.3205



86.1590, 0.2794, 0.3070

Triad

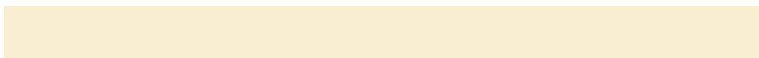
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1590, 0.2805, 0.3205



86.1590, 0.3193, 0.3080



86.1590, 0.3387, 0.3587

Complementary

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



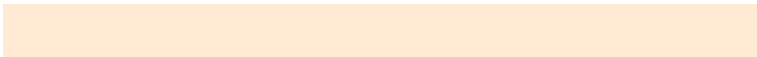
86.1590, 0.2805, 0.3205



71.1029, 0.3539, 0.3373

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.



86.1590, 0.3471, 0.3499



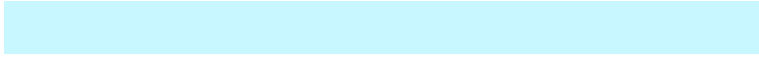
86.1590, 0.2805, 0.3205



86.1590, 0.3358, 0.3208

Square

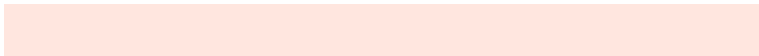
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1590, 0.2805, 0.3205



86.1590, 0.3014, 0.3004



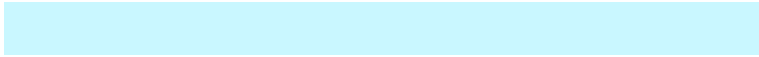
86.1590, 0.3460, 0.3360



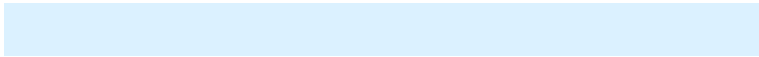
86.1590, 0.3233, 0.3595

Rectangle

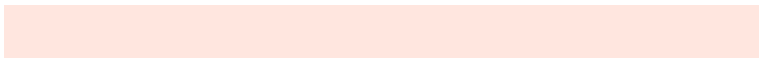
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1590, 0.2805, 0.3205



86.1590, 0.2836, 0.3015



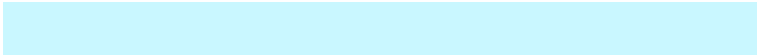
86.1590, 0.3460, 0.3360



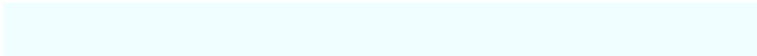
86.1590, 0.3424, 0.3566

Sweetspot

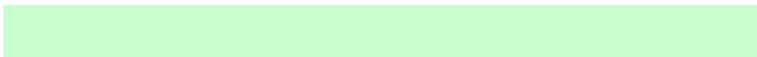
The Sweet Spot groups the original color and five complimentary colors.



86.1625, 0.2805, 0.3205



95.7733, 0.3034, 0.3268



88.5089, 0.3060, 0.3800



20.4041, 0.3024, 0.3265



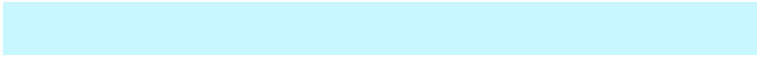
0.0000, 0.0000, 0.0000



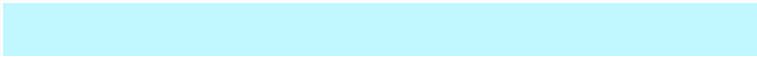
21.4041, 0.3127, 0.3290

Same Dimension

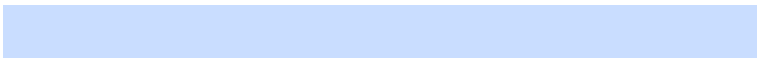
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1625, 0.2805, 0.3205



83.9631, 0.2750, 0.3188



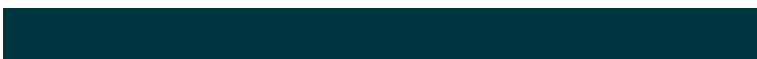
71.2652, 0.2785, 0.2921



19.9951, 0.2980, 0.3254



29.9248, 0.2114, 0.2811



3.0331, 0.2131, 0.2871

Inverse Universe

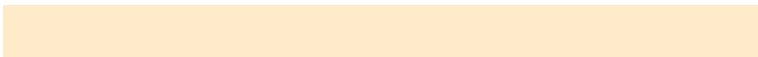
The Inverse Universe completely reimagines the original color for something new.



69.7685, 0.3208, 0.2836



65.2566, 0.3226, 0.2752



85.0191, 0.3486, 0.3634



18.2513, 0.3161, 0.3090



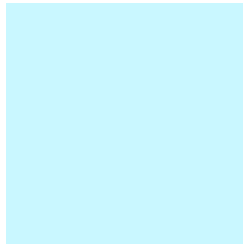
13.7489, 0.3625, 0.1770



1.3507, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 86.1590, 0.2805, 0.3205 looks on a white background.

Color Contrast Check

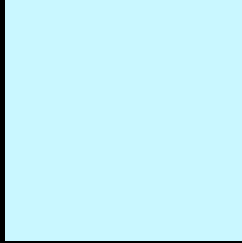
Large Text (above 18pt) WCAG AA × Fail

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 86.1590, 0.2805, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

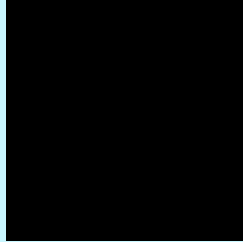
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1590, 0.2805, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 86.1590, 0.2805, 0.3205.

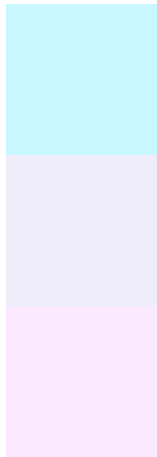


This preview shows how white text looks on a background with the Yxy color 86.1590, 0.2805, 0.3205.

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

86.1590, 0.2805, 0.3205

Protanopia

85.7586, 0.3067, 0.3170

Deuteranopia

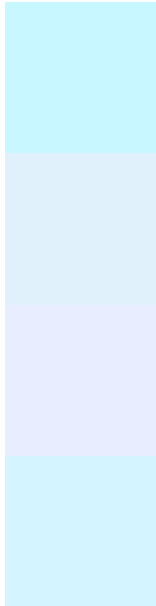
85.8218, 0.3104, 0.3076



Tritanopia

86.2266, 0.2901, 0.3166

Trichromacy



Original Color

86.1590, 0.2805, 0.3205

Protanomaly

85.8832, 0.2966, 0.3188

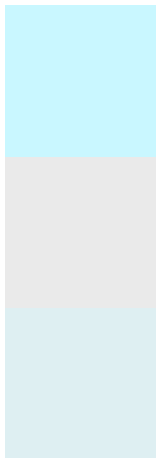
Deuteranomaly

85.5249, 0.2987, 0.3119

Tritanomaly

85.9184, 0.2866, 0.3175

Monochromacy



Original Color

86.1590, 0.2805, 0.3205

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.6734, 0.2999, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1590, 0.2805, 0.3205 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(201, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 247, 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(201, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.1590, 0.2805, 0.3205 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(201, 247, 255) }
```

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

```
.border{ border-color:rgb(201, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 247, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 247, 255); box-shadow:4px 4px 4px 4px rgb(201, 247, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1590, 0.2805, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 247, 255) }
```

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

```
.background{ background-color: rgb(201,  
247, 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