

Converting Colors

$Y_{xy}(100.0000, 0.2230, 0.1991)$

Have a look what the booklet for
Yxy(100.0000, 0.2230, 0.1991)
contains.

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Color

Yxy(86.2265, 0.2855, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	D2F5FF
RGB	210, 245, 255
RGB Percent	82%, 96%, 100%
CMY	0.1763, 0.0392, 0.0000
CMYK	0.18, 0.04, 0.00, 0.00
HSL	193°, 100%, 91%
HSV	193°, 18%, 100%
XYZ	77.2925, 86.2265, 107.2078
YIQ	235.6750, -24.0700, -4.3100

Conversions

Conversions Part 2

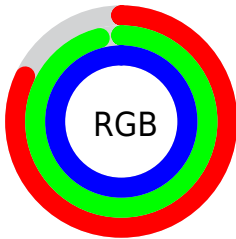
Format	Color
R_{YB}	210, 230, 255
Decimal	13825535
CIE _{Lab}	94.41, -9.20, -8.61
CIE _{LCh}	94, 12.602, 223.089
Yxy	86.2265, 0.2855, 0.3185
Android (android.graphics.Color)	4292015615 (0xFFD2F5FF)
YUV	235.6750, 9.5272, -22.5170
Hunter-Lab	92.8582, -13.9236, -3.4515

Details

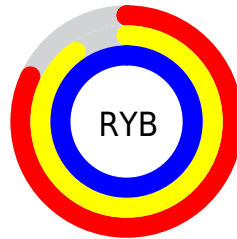
The Yxy color **86.2265, 0.2855, 0.3185** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1239, 0.3452, 0.3392**, and the grayscale version is **83.5637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4410, 0.2799, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **79.3961, 0.2706, 0.3118**, and if you desaturate by 10%, it is **93.7608, 0.3009, 0.3247**.

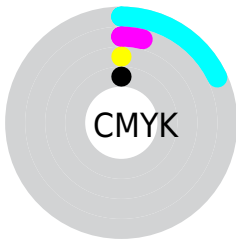
Distribution



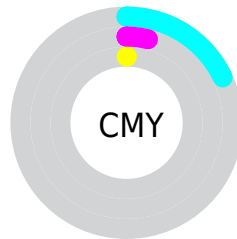
- Red (82%)
- Green (96%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2265, 0.2855, 0.3185 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 86.2265, 0.2855, 0.3185 by changing the saturation by 10% instead.

86.2265, 0.2855,
0.3185

86.2265, 0.2855,
0.3185

515.6778, 0.2976,
0.3233

64.8553, 0.2828,
0.3174

142.0855, 0.2896,
0.3202

47.3437, 0.2796,
0.3160

177.3421, 0.2912,
0.3208

33.3075, 0.2756,
0.3143

217.9960, 0.2926,
0.3214

22.3621, 0.2705,
0.3121

264.4315, 0.2939,
0.3219

14.1232, 0.2637,
0.3091

317.0330, 0.2950,
0.3223

8.2064, 0.2545,
0.3049

376.1850, 0.2960,

4.2273, 0.2409,

0.3227

0.2983

442.2718, 0.2968,
0.3230

■ 1.8015, 0.2194,
0.2872

■ 0.4881, 0.1279,
0.2609

■ 86.2265, 0.2855,
0.3185

■ 86.2265, 0.2855,
0.3185

■ 79.3961, 0.2706,
0.3118

■ 93.7608, 0.3009,
0.3247

■ 73.2372, 0.2566,
0.3046

100.0000, 0.3127,
0.3290

■ 67.7194, 0.2436,
0.2970

■ 62.8086, 0.2321,
0.2890

■ 58.4668, 0.2223,
0.2808

■ 54.6509, 0.2145,
0.2725

■ 51.3104, 0.2087,
0.2642

■ 48.3789, 0.2047,
0.2560

■ 47.7221, 0.2039,
0.2541

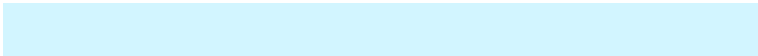
Harmonies

Analogous

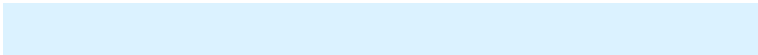
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2265, 0.2913, 0.3314



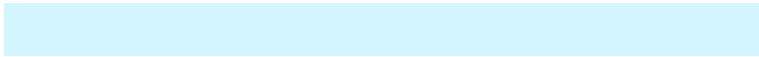
86.2265, 0.2855, 0.3185



86.2265, 0.2868, 0.3089

Triad

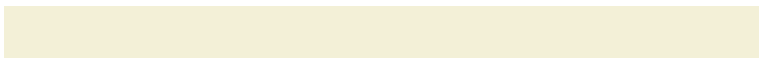
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2265, 0.2855, 0.3185



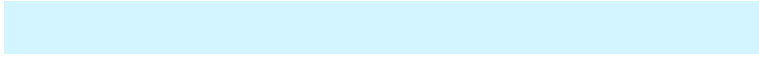
86.2265, 0.3224, 0.3147



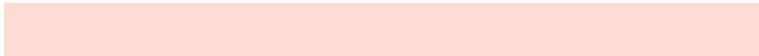
86.2265, 0.3304, 0.3540

Complementary

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



86.2265, 0.2855, 0.3185



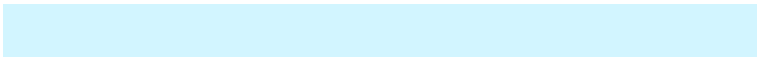
77.1239, 0.3452, 0.3392

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.



86.2265, 0.3392, 0.3488



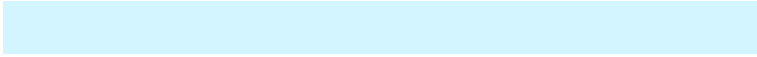
86.2265, 0.2855, 0.3185



86.2265, 0.3346, 0.3261

Square

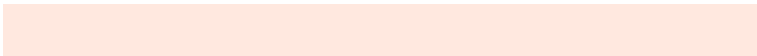
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



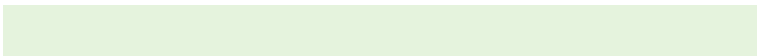
86.2265, 0.2855, 0.3185



86.2265, 0.3079, 0.3070



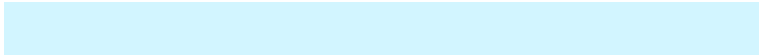
86.2265, 0.3407, 0.3385



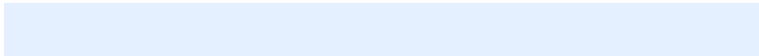
86.2265, 0.3170, 0.3523

Rectangle

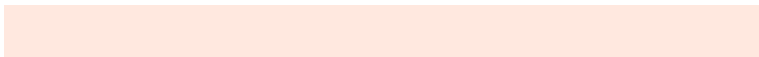
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2265, 0.2855, 0.3185



86.2265, 0.2916, 0.3054



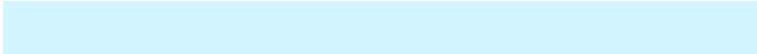
86.2265, 0.3407, 0.3385



86.2265, 0.3340, 0.3529

Sweetspot

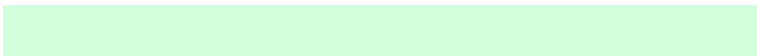
The Sweet Spot groups the original color and five complimentary colors.



86.2276, 0.2855, 0.3185



95.8644, 0.3050, 0.3262



90.3825, 0.3050, 0.3664



20.3977, 0.3039, 0.3258



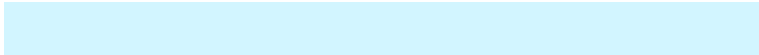
0.0000, 0.0000, 0.0000



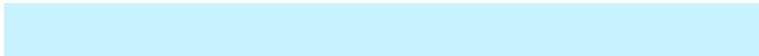
21.4041, 0.3127, 0.3290

Same Dimension

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



86.2276, 0.2855, 0.3185



83.8504, 0.2804, 0.3163



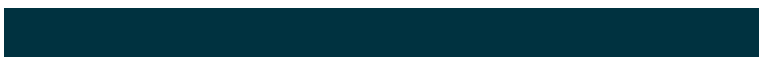
73.5826, 0.2843, 0.2948



19.7552, 0.2980, 0.3236



25.1685, 0.2043, 0.2554



2.6113, 0.2069, 0.2648

Inverse Universe

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



73.9632, 0.3216, 0.2945



69.7194, 0.3236, 0.2877



89.5742, 0.3414, 0.3610



18.2271, 0.3172, 0.3107



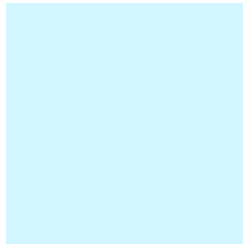
13.2687, 0.3869, 0.1905



1.3082, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 86.2265, 0.2855, 0.3185 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 86.2265, 0.2855, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

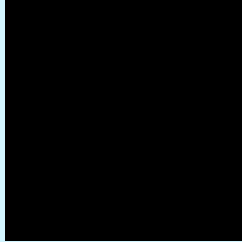
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.2265, 0.2855, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 86.2265, 0.2855, 0.3185.



This preview shows how white text looks on a background with the Yxy color 86.2265, 0.2855, 0.3185.

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

86.2265, 0.2855, 0.3185

Protanopia

85.8212, 0.3061, 0.3160

Deuteranopia

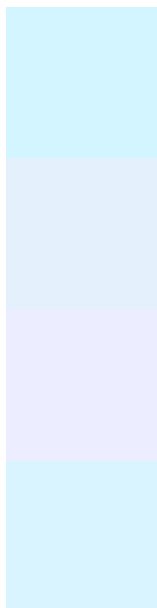
86.0071, 0.3111, 0.3076



Tritanopia

86.0964, 0.2919, 0.3157

Trichromacy



Original Color

86.2265, 0.2855, 0.3185

Protanomaly

85.8424, 0.2979, 0.3168

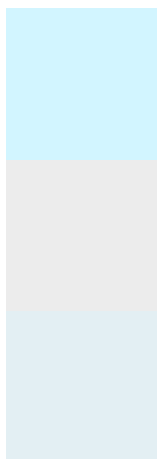
Deuteranomaly

85.6212, 0.3012, 0.3110

Tritanomaly

86.0729, 0.2895, 0.3166

Monochromacy



Original Color

86.2265, 0.2855, 0.3185

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.5350, 0.3025, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2265, 0.2855, 0.3185 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(210, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 245, 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(210, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.2265, 0.2855, 0.3185 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(210, 245, 255) }
```

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

```
.border{ border-color:rgb(210, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2265, 0.2855, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 245, 255) }
```

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

```
.background{ background-color: rgb(210,  
245, 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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