

Converting Colors

$Yxy(83.5756, 0.2887, 0.3152)$

Have a look what the booklet for
Yxy(83.5756, 0.2887, 0.3152)
contains.

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Color

Yxy(83.7082, 0.2887, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	D6F0FD
RGB	214, 240, 253
RGB Percent	84%, 94%, 99%
CMY	0.1608, 0.0588, 0.0077
CMYK	0.15, 0.05, 0.00, 0.01
HSL	200°, 91%, 92%
HSV	200°, 15%, 99%
XYZ	76.6219, 83.7082, 105.0732
YIQ	233.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

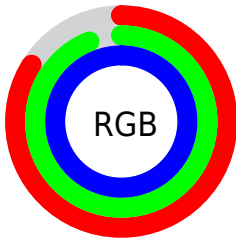
Format	Color
R _Y B	214, 230, 253
Decimal	14086397
CIE Lab	93.32, -5.88, -9.15
CIE LCh	93, 10.876, 237.286
Yxy	83.7082, 0.2887, 0.3154
Android (android.graphics.Color)	4292276477 (0xFFD6F0FD)
YUV	233.7080, 9.5110, -17.2839
Hunter-Lab	91.4922, -10.6230, -4.0464

Details

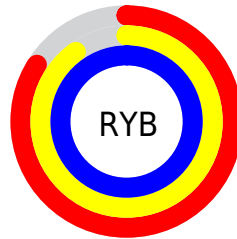
The Yxy color **83.7082, 0.2887, 0.3154** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.6890, 0.3398, 0.3422**, and the grayscale version is **81.9868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6374, 0.2838, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **75.3402, 0.2732, 0.3054**, and if you desaturate by 10%, it is **92.9057, 0.3043, 0.3245**.

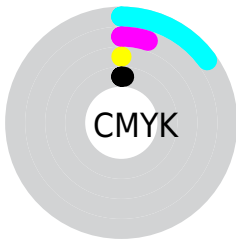
Distribution



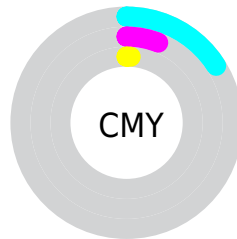
- Red (84%)
- Green (94%)
- Blue (99%)



- Red (84%)
- Yellow (90%)
- Blue (99%)



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



- Cyan (16%)
- Magenta (6%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7082, 0.2887, 0.3154 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 83.7082, 0.2887, 0.3154 by changing the saturation by 10% instead.

83.7082, 0.2887,
0.3154

83.7082, 0.2887,
0.3154

507.3437, 0.2995,
0.3216

62.7745, 0.2863,
0.3140

138.5669, 0.2924,
0.3175

45.6588, 0.2834,
0.3123

173.2608, 0.2938,
0.3184

31.9767, 0.2798,
0.3101

213.3102, 0.2951,
0.3191

21.3437, 0.2752,
0.3073

259.0995, 0.2962,
0.3197

13.3755, 0.2691,
0.3035

311.0131, 0.2971,
0.3203

7.6876, 0.2606,
0.2982

369.4354, 0.2980,

3.8957, 0.2480,

0.3208

0.2901

434.7508, 0.2988,
0.3212

■ 1.6154, 0.2278,
0.2764

■ 0.3679, 0.1276,
0.2276

■ 83.7082, 0.2887,
0.3154

■ 83.7082, 0.2887,
0.3154

■ 75.3402, 0.2732,
0.3054

■ 92.9057, 0.3043,
0.3245

■ 67.7611, 0.2580,
0.2946

99.8739, 0.3138,
0.3309

■ 60.9417, 0.2436,
0.2830

■ 54.8468, 0.2303,
0.2707

■ 49.4377, 0.2185,
0.2580

■ 44.6710, 0.2085,
0.2451

■ 40.4966, 0.2007,
0.2322

■ 36.8531, 0.1949,
0.2195

■ 35.3258, 0.1927,
0.2137

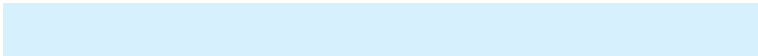
Harmonies

Analogous

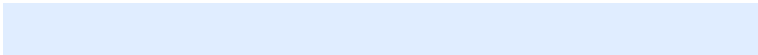
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7082, 0.2909, 0.3257



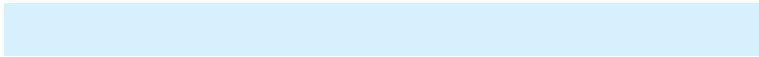
83.7082, 0.2887, 0.3154



83.7082, 0.2928, 0.3091

Triad

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



83.7082, 0.2887, 0.3154



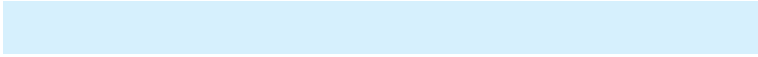
83.7082, 0.3267, 0.3210



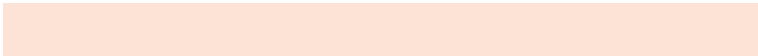
83.7082, 0.3230, 0.3508

Complementary

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



83.7082, 0.2887, 0.3154



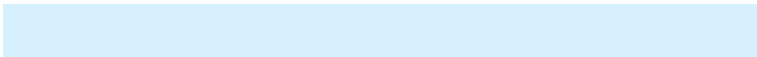
80.6890, 0.3398, 0.3422

Split Complementary

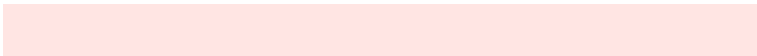
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7082, 0.3329, 0.3491



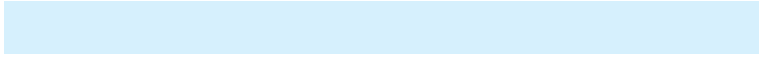
83.7082, 0.2887, 0.3154



83.7082, 0.3351, 0.3317

Square

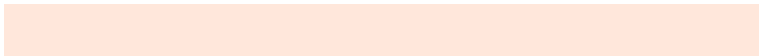
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



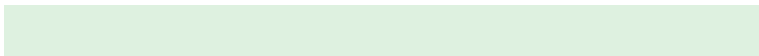
83.7082, 0.2887, 0.3154



83.7082, 0.3146, 0.3124



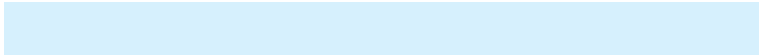
83.7082, 0.3373, 0.3420



83.7082, 0.3105, 0.3465

Rectangle

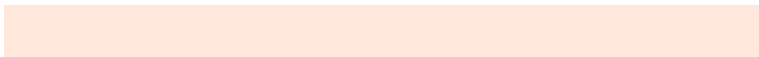
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7082, 0.2887, 0.3154



83.7082, 0.2986, 0.3078



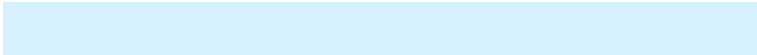
83.7082, 0.3373, 0.3420



83.7082, 0.3267, 0.3509

Sweetspot

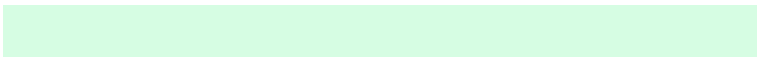
The Sweet Spot groups the original color and five complimentary colors.



83.7117, 0.2887, 0.3154



94.9774, 0.3050, 0.3248



90.1115, 0.3034, 0.3564



20.1817, 0.3039, 0.3242



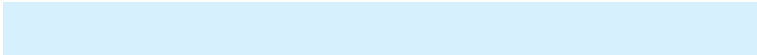
0.0000, 0.0000, 0.0000



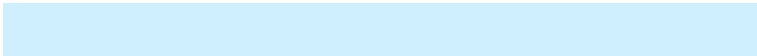
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7117, 0.2887, 0.3154



82.0574, 0.2831, 0.3119



72.8347, 0.2879, 0.2945



19.4004, 0.2980, 0.3209



19.0659, 0.1933, 0.2158



2.0576, 0.1973, 0.2302

Inverse Universe

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



75.2670, 0.3234, 0.3031



71.8902, 0.3263, 0.2969



91.9745, 0.3369, 0.3613



18.1913, 0.3189, 0.3133



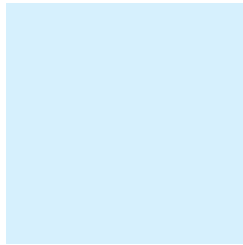
12.6527, 0.4278, 0.2130



1.2523, 0.4124, 0.2046

Previews

White Background



This preview shows how the Yxy color 83.7082, 0.2887, 0.3154 looks on a white background.

Color Contrast Check

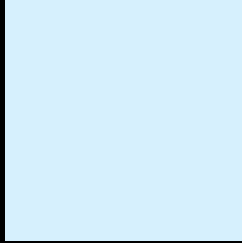
Large Text (above 18pt) WCAG AA × Fail

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 83.7082, 0.2887, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

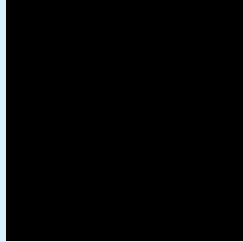
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

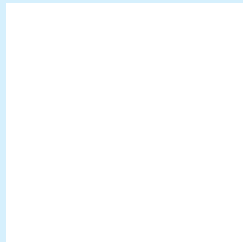
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7082, 0.2887, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 83.7082, 0.2887, 0.3154.



This preview shows how white text looks on a background with the Yxy color 83.7082, 0.2887, 0.3154.

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

83.7082, 0.2887, 0.3154

Protanopia

83.5181, 0.3048, 0.3139

Deuteranopia

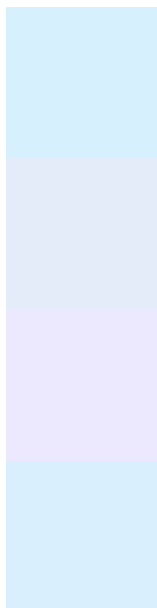
83.3984, 0.3099, 0.3035



Tritanopia

83.8584, 0.2900, 0.3125

Trichromacy



Original Color

83.7082, 0.2887, 0.3154

Protanomaly

83.3870, 0.2990, 0.3147

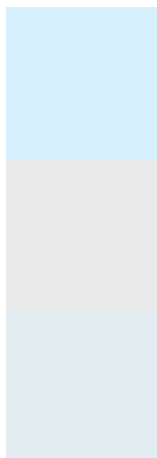
Deuteranomaly

83.2665, 0.3018, 0.3079

Tritanomaly

83.6405, 0.2899, 0.3134

Monochromacy



Original Color

83.7082, 0.2887, 0.3154

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 83.7082, 0.2887, 0.3154 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(214, 240, 253)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 240, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 240, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.7082, 0.2887, 0.3154 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(214, 240, 253) }
```

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

```
.border{ border-color:rgb(214, 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(214, 240, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 240, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 240, 253); box-shadow:4px 4px 4px 4px rgb(214, 240, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7082, 0.2887, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 240, 253) }
```

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

```
.background{ background-color: rgb(214,  
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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