

Converting Colors

$Yxy(83.5681, 0.2869, 0.3221)$

Have a look what the booklet for
Yxy(83.5681, 0.2869, 0.3221)
contains.

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Color

Yxy(83.6092, 0.2868, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	CFF2F9
RGB	207, 242, 249
RGB Percent	81%, 95%, 98%
CMY	0.1883, 0.0510, 0.0234
CMYK	0.17, 0.03, 0.00, 0.02
HSL	190°, 78%, 89%
HSV	190°, 17%, 98%
XYZ	74.5851, 83.6092, 101.8654
YIQ	232.3330, -23.1070, -5.2430

Conversions

Conversions Part 2

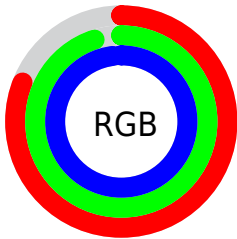
Format	Color
R _Y B	207, 226, 249
Decimal	13628153
CIE Lab	93.28, -9.85, -7.19
CIE LCh	93, 12.199, 216.132
Yxy	83.6092, 0.2868, 0.3215
Android (android.graphics.Color)	4291818233 (0xFFCFF2F9)
YUV	232.3330, 8.2168, -22.2170
Hunter-Lab	91.4381, -14.4159, -2.0446

Details

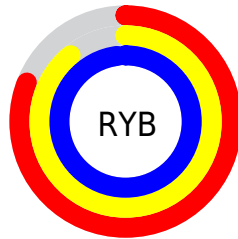
The Yxy color **83.6092, 0.2868, 0.3215** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7590, 0.3440, 0.3364**, and the grayscale version is **80.9106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6435, 0.2808, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **77.8506, 0.2722, 0.3165**, and if you desaturate by 10%, it is **89.9970, 0.3020, 0.3261**.

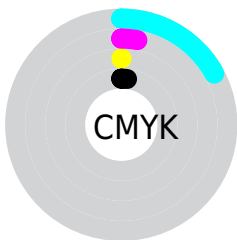
Distribution



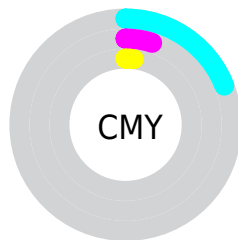
- Red (81%)
- Green (95%)
- Blue (98%)



- Red (81%)
- Yellow (89%)
- Blue (98%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)





- Cyan (19%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6092, 0.2868, 0.3215 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 83.6092, 0.2868, 0.3215 by changing the saturation by 10% instead.

 83.6092, 0.2868,
0.3215

 83.6092, 0.2868,
0.3215

507.0146, 0.2984,
0.3250

 62.6928, 0.2842,
0.3207


138.4284, 0.2908,
0.3227

 45.5928, 0.2811,
0.3197

173.1000, 0.2923,
0.3232

 31.9246, 0.2772,
0.3184


213.1254, 0.2937,
0.3236

 21.3039, 0.2722,
0.3167

258.8892, 0.2948,
0.3240

 13.3463, 0.2656,
0.3145

310.7755, 0.2959,
0.3243

 7.6675, 0.2565,
0.3112

369.1690, 0.2968,

 3.8829, 0.2430,

0.3245

0.3060

434.4539, 0.2977,
0.3248

1.6083, 0.2211,
0.2969

0.3632, 0.0766,
0.2658

83.6092, 0.2868,
0.3215

83.6092, 0.2868,
0.3215

77.8506, 0.2722,
0.3165

89.9970, 0.3020,
0.3261

72.6841, 0.2585,
0.3112

96.6867, 0.3164,
0.3303

68.0841, 0.2460,
0.3056

99.3112, 0.3162,
0.3342

64.0190, 0.2351,
0.2997

99.6224, 0.3162,
0.3347

■ 60.4540, 0.2260,
0.2937

■ 57.3493, 0.2188,
0.2876

■ 54.6585, 0.2136,
0.2815

■ 52.3226, 0.2102,
0.2755

■ 51.6400, 0.2094,
0.2737

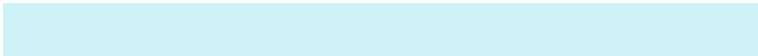
Harmonies

Analogous

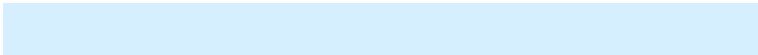
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6092, 0.2939, 0.3344



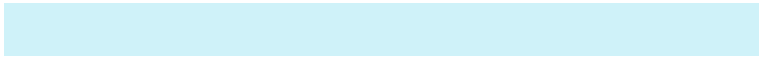
83.6092, 0.2868, 0.3215



83.6092, 0.2865, 0.3111

Triad

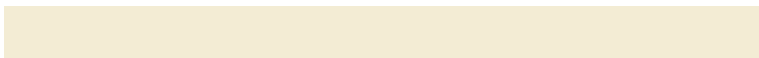
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6092, 0.2868, 0.3215



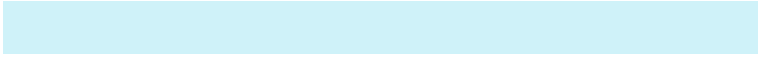
83.6092, 0.3190, 0.3129



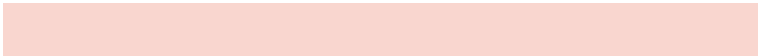
83.6092, 0.3326, 0.3528

Complementary

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



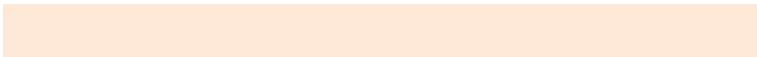
83.6092, 0.2868, 0.3215



72.7590, 0.3440, 0.3364

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.



83.6092, 0.3396, 0.3463



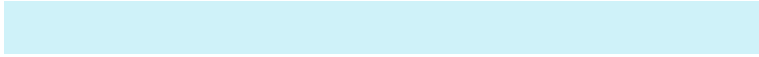
83.6092, 0.2868, 0.3215



83.6092, 0.3317, 0.3234

Square

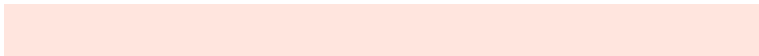
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



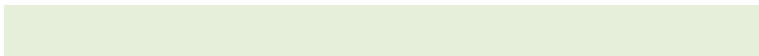
83.6092, 0.2868, 0.3215



83.6092, 0.3048, 0.3064



83.6092, 0.3394, 0.3355



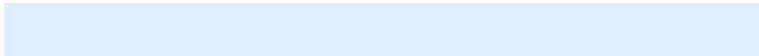
83.6092, 0.3202, 0.3528

Rectangle

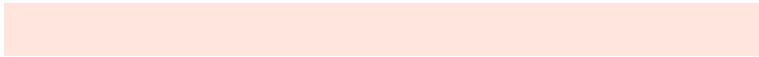
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



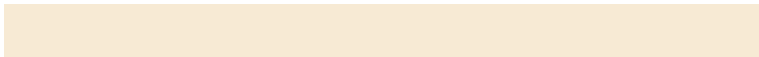
83.6092, 0.2868, 0.3215



83.6092, 0.2901, 0.3068



83.6092, 0.3394, 0.3355



83.6092, 0.3356, 0.3513

Sweetspot

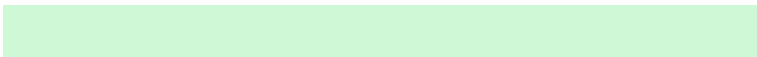
The Sweet Spot groups the original color and five complimentary colors.



83.6126, 0.2868, 0.3215



96.3073, 0.3049, 0.3269



85.8976, 0.3066, 0.3670



20.5056, 0.3038, 0.3266



0.0000, 0.0000, 0.0000



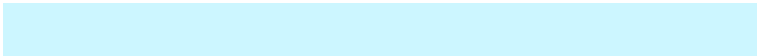
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6126, 0.2868, 0.3215



86.2506, 0.2821, 0.3200



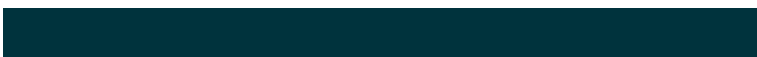
71.8216, 0.2857, 0.2987



19.0848, 0.2980, 0.3249



27.8127, 0.2096, 0.2747



2.7028, 0.2116, 0.2818

Inverse Universe

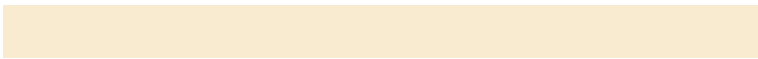
The Inverse Universe completely reimagines the original color for something new.



71.1779, 0.3196, 0.2938



71.1280, 0.3210, 0.2871



84.0836, 0.3404, 0.3575



17.4717, 0.3164, 0.3095



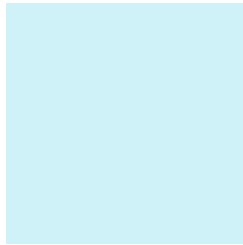
13.2186, 0.3684, 0.1803



1.2371, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 83.6092, 0.2868, 0.3215 looks on a white background.

Color Contrast Check

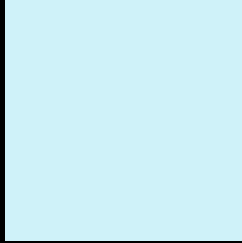
Large Text (above 18pt) WCAG AA × Fail

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 83.6092, 0.2868, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

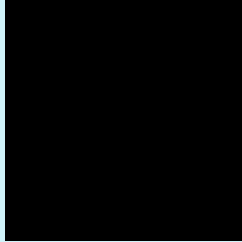
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6092, 0.2868, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 83.6092, 0.2868, 0.3215.

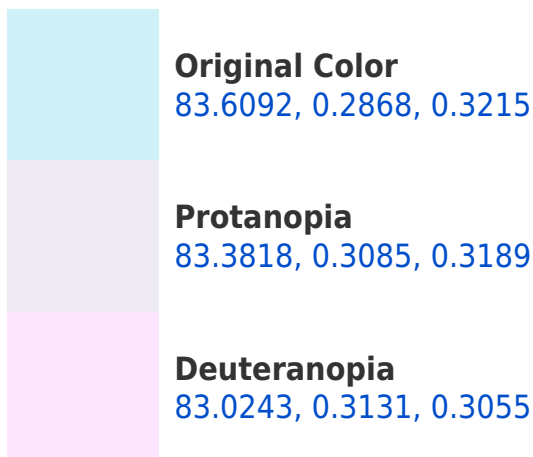


This preview shows how white text looks on a background with the Yxy color 83.6092, 0.2868, 0.3215.

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

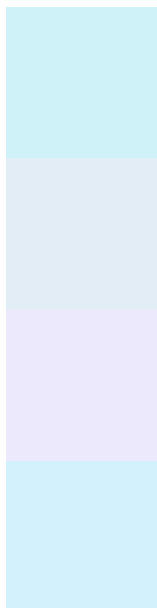




Tritanopia

83.2491, 0.2876, 0.3123

Trichromacy



Original Color

83.6092, 0.2868, 0.3215

Protanomaly

83.3909, 0.3001, 0.3197

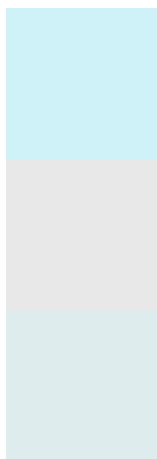
Deuteranomaly

82.9050, 0.3030, 0.3108

Tritanomaly

83.2609, 0.2869, 0.3154

Monochromacy



Original Color

83.6092, 0.2868, 0.3215

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.8519, 0.3030, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6092, 0.2868, 0.3215 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(207, 242, 249)` looks like.

```
.text, #text, p{  
    color:rgb(207, 242, 249)  
}
```

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(207, 242, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 242, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.6092, 0.2868, 0.3215 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(207, 242, 249) }
```

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

```
.border{ border-color:rgb(207, 242, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 242, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 242, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 242, 249); box-shadow:4px 4px 4px 4px rgb(207, 242, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6092, 0.2868, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 242, 249) }
```

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

```
.background{ background-color: rgb(207,  
242, 249) }
```

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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