

Converting Colors

Yxy(83.1498, 0.2890, 0.3268)

Have a look what the booklet for
Yxy(83.1498, 0.2890, 0.3268)
contains.

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Color

Yxy(83.1577, 0.2890, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	CEF2F4
RGB	206, 242, 244
RGB Percent	81%, 95%, 96%
CMY	0.1921, 0.0510, 0.0431
CMYK	0.16, 0.01, 0.00, 0.04
HSL	183°, 63%, 88%
HSV	183°, 16%, 96%
XYZ	73.5391, 83.1577, 97.7637
YIQ	231.4640, -22.0980, -7.0100

Conversions

Conversions Part 2

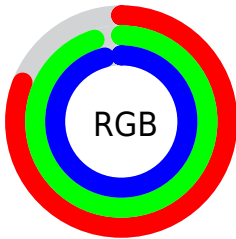
Format	Color
R_{YB}	206, 224, 244
Decimal	13562612
CIE _{Lab}	93.08, -11.17, -4.87
CIE _{LCh}	93, 12.185, 203.564
Yxy	83.1577, 0.2890, 0.3268
Android (android.graphics.Color)	4291752692 (0xFFCE2F4)
YUV	231.4640, 6.1802, -22.3319
Hunter-Lab	91.1908, -15.6361, 0.2701

Details

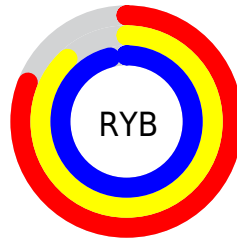
The Yxy color **83.1577, 0.2890, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8147, 0.3418, 0.3312**, and the grayscale version is **80.2449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3280, 0.2835, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **79.1721, 0.2748, 0.3252**, and if you desaturate by 10%, it is **87.6976, 0.3041, 0.3282**.

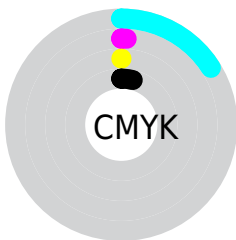
Distribution



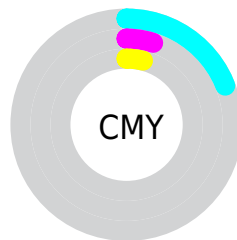
- Red (81%)
- Green (95%)
- Blue (96%)



- Red (81%)
- Yellow (88%)
- Blue (96%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (19%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1577, 0.2890, 0.3268 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 83.1577, 0.2890, 0.3268 by changing the saturation by 10% instead.

83.1577, 0.2890,
0.3268

83.1577, 0.2890,
0.3268

505.5119, 0.2996,
0.3279

62.3203, 0.2866,
0.3265

137.7963, 0.2926,
0.3272

45.2915, 0.2838,
0.3262

172.3663, 0.2941,
0.3273

31.6871, 0.2802,
0.3258

212.2825, 0.2953,
0.3275

21.1226, 0.2756,
0.3252

257.9294, 0.2964,
0.3276

13.2137, 0.2694,
0.3243

309.6915, 0.2973,
0.3277

7.5758, 0.2609,
0.3230

367.9530, 0.2982,

3.8248, 0.2483,

0.3278

0.3209

433.0983, 0.2990,
0.3278

■ 1.5760, 0.2276,
0.3168

■ 0.3414, 0.0469,
0.3088

■ 83.1577, 0.2890,
0.3268

■ 83.1577, 0.2890,
0.3268

■ 79.1721, 0.2748,
0.3252

■ 87.6976, 0.3041,
0.3282

■ 75.7057, 0.2619,
0.3236

■ 92.8050, 0.3197,
0.3296

■ 72.7349, 0.2504,
0.3219

■ 93.6179, 0.3197,
0.3308

■ 70.2305, 0.2407,
0.3201

■ 94.4026, 0.3196,
0.3321

68.1599, 0.2328,
0.3183

95.1928, 0.3196,
0.3333

66.4867, 0.2269,
0.3165

95.9884, 0.3195,
0.3345

65.1680, 0.2230,
0.3147

96.7894, 0.3194,
0.3358

64.1510, 0.2207,
0.3130

97.5960, 0.3193,
0.3370

63.7609, 0.2201,
0.3122

98.4080, 0.3192,
0.3382

Harmonies

Analogous

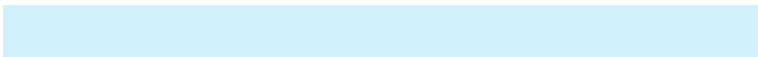
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1577, 0.2985, 0.3397



83.1577, 0.2890, 0.3268



83.1577, 0.2857, 0.3149

Triad

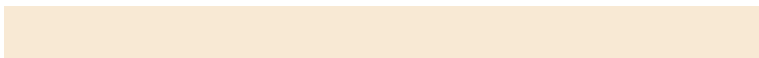
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1577, 0.2890, 0.3268



83.1577, 0.3130, 0.3095



83.1577, 0.3363, 0.3508

Complementary

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



83.1577, 0.2890, 0.3268



68.8147, 0.3418, 0.3312

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.



83.1577, 0.3405, 0.3422



83.1577, 0.2890, 0.3268



83.1577, 0.3268, 0.3186

Square

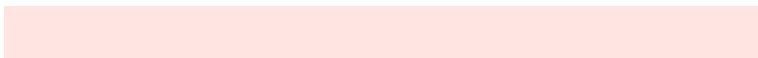
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1577, 0.2890, 0.3268



83.1577, 0.2993, 0.3054



83.1577, 0.3370, 0.3304



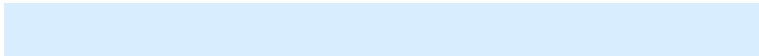
83.1577, 0.3258, 0.3537

Rectangle

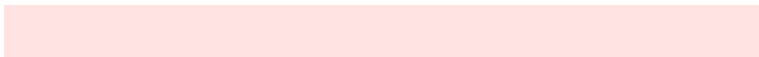
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



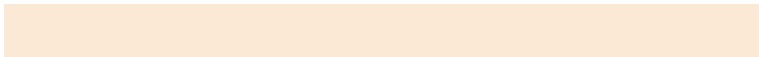
83.1577, 0.2890, 0.3268



83.1577, 0.2874, 0.3092



83.1577, 0.3370, 0.3304



83.1577, 0.3385, 0.3485

Sweetspot

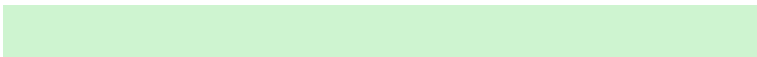
The Sweet Spot groups the original color and five complimentary colors.



83.1611, 0.2890, 0.3268



97.2334, 0.3049, 0.3283



82.3781, 0.3096, 0.3687



20.7315, 0.3038, 0.3282



0.0000, 0.0000, 0.0000



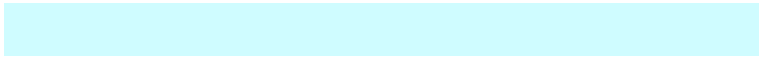
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1611, 0.2890, 0.3268



90.3217, 0.2840, 0.3263



72.4928, 0.2882, 0.3063



18.5992, 0.2981, 0.3277



34.7340, 0.2201, 0.3125



3.0978, 0.2207, 0.3147

Inverse Universe

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



69.7978, 0.3159, 0.2924



72.7245, 0.3167, 0.2840



78.5806, 0.3387, 0.3507



16.7523, 0.3146, 0.3069



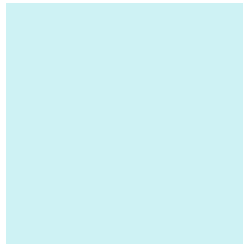
13.6058, 0.3346, 0.1617



1.2004, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 83.1577, 0.2890, 0.3268 looks on a white background.

Color Contrast Check

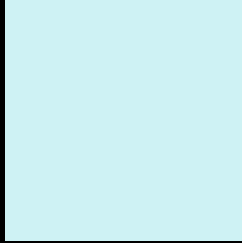
Large Text (above 18pt) WCAG AA × Fail

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 83.1577, 0.2890, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

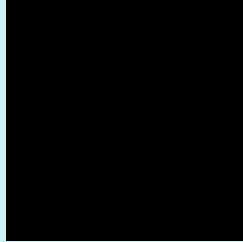
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1577, 0.2890, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 83.1577, 0.2890, 0.3268.

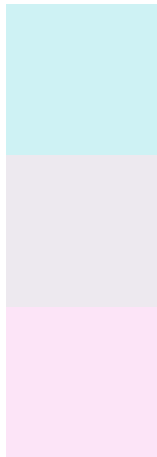


This preview shows how white text looks on a background with the Yxy color 83.1577, 0.2890, 0.3268.

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

83.1577, 0.2890, 0.3268

Protanopia

82.5143, 0.3117, 0.3229

Deuteranopia

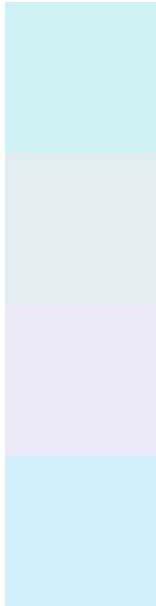
82.8977, 0.3170, 0.3104



Tritanopia

83.0991, 0.2870, 0.3123

Trichromacy



Original Color

83.1577, 0.2890, 0.3268

Protanomaly

82.5105, 0.3031, 0.3238

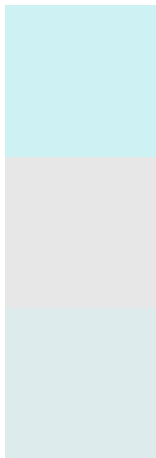
Deuteranomaly

82.5938, 0.3060, 0.3158

Tritanomaly

82.9868, 0.2874, 0.3174

Monochromacy



Original Color

83.1577, 0.2890, 0.3268

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.0024, 0.3035, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1577, 0.2890, 0.3268 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(206, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 244)  
}
```

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(206, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.1577, 0.2890, 0.3268 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(206, 242, 244) }
```

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

```
.border{ border-color:rgb(206, 242, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 242, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1577, 0.2890, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 242, 244) }
```

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

```
.background{ background-color: rgb(206,  
242, 244) }
```

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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