

Converting Colors

Yxy(84.9024, 0.2888, 0.3324)

Have a look what the booklet for
Yxy(84.9024, 0.2888, 0.3324)
contains.

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Color

Yxy(85.1597, 0.2891, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	CCF6F2
RGB	204, 246, 242
RGB Percent	80%, 96%, 95%
CMY	0.1999, 0.0353, 0.0510
CMYK	0.17, 0.00, 0.02, 0.04
HSL	174°, 70%, 88%
HSV	174°, 17%, 96%
XYZ	73.8886, 85.1597, 96.5331
YIQ	232.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

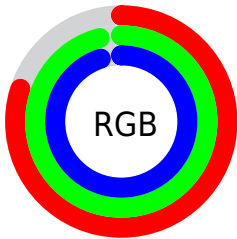
Format	Color
RYB	204, 226, 246
Decimal	13432562
CIELab	93.95, -14.19, -2.56
CIElCh	94, 14.416, 190.232
Yxy	85.1597, 0.2891, 0.3332
Android (android.graphics.Color)	4291622642 (0xFFCCCF6F2)
YUV	232.9860, 4.4439, -25.4207
Hunter-Lab	92.2820, -18.5718, 2.5762

Details

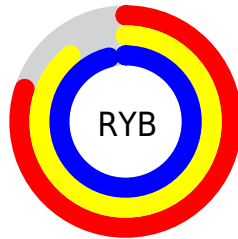
The Yxy color **85.1597, 0.2891, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3505, 0.3425, 0.3249**, and the grayscale version is **81.4592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7616, 0.2837, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **81.8160, 0.2764, 0.3360**, and if you desaturate by 10%, it is **89.0613, 0.3027, 0.3307**.

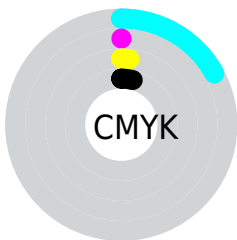
Distribution



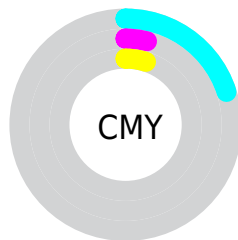
- Red (80%)
- Green (96%)
- Blue (95%)



- Red (80%)
- Yellow (89%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)





- Cyan (20%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1597, 0.2891, 0.3332 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 85.1597, 0.2891, 0.3332 by changing the saturation by 10% instead.


 85.1597, 0.2891,
0.3332

 85.1597, 0.2891,
0.3332

512.1564, 0.2997,
0.3314

 63.9733, 0.2868,
0.3336


140.5963, 0.2927,
0.3326

 46.6291, 0.2839,
0.3340


175.6153, 0.2941,
0.3324

 32.7425, 0.2804,
0.3346


216.0140, 0.2954,
0.3321

 21.9293, 0.2758,
0.3353

262.1767, 0.2964,
0.3320

 13.8049, 0.2698,
0.3362

314.4880, 0.2974,
0.3318

 7.9851, 0.2614,
0.3374

373.3320, 0.2982,

 4.0854, 0.2490,

0.3316

439.0934, 0.2990,
0.3315

0.3391

1.7215, 0.2288,
0.3414

0.4375, 0.0598,
0.3764

85.1597, 0.2891,
0.3332

85.1597, 0.2891,
0.3332

81.8160, 0.2764,
0.3360

89.0613, 0.3027,
0.3307

78.9940, 0.2650,
0.3389


93.5342, 0.3170,
0.3283


76.6692, 0.2551,
0.3420

94.0139, 0.3167,
0.3261

74.8116, 0.2469,
0.3452

94.1618, 0.3153,
0.3238


 73.3873, 0.2406,
0.3485


 94.3115, 0.3139,
0.3216

 72.3582, 0.2363,
0.3518

 94.3914, 0.3131,
0.3204

 71.6796, 0.2339,
0.3552

 71.2938, 0.2332,
0.3584

 71.2099, 0.2332,
0.3594

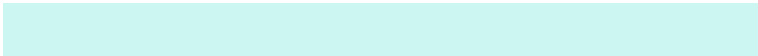
Harmonies

Analogous

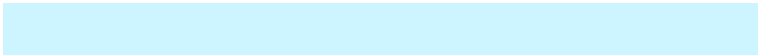
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1597, 0.3027, 0.3474



85.1597, 0.2891, 0.3332



85.1597, 0.2818, 0.3182

Triad

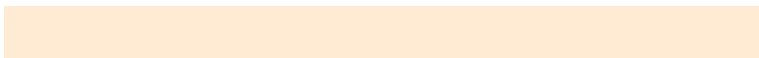
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1597, 0.2891, 0.3332



85.1597, 0.3056, 0.3033



85.1597, 0.3437, 0.3507

Complementary

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



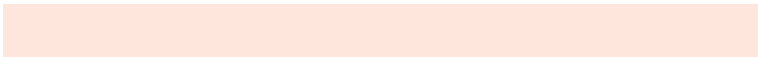
85.1597, 0.2891, 0.3332



67.3505, 0.3425, 0.3249

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.



85.1597, 0.3447, 0.3385



85.1597, 0.2891, 0.3332



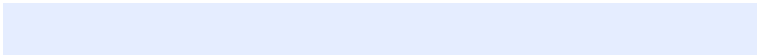
85.1597, 0.3223, 0.3116

Square

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



85.1597, 0.2891, 0.3332



85.1597, 0.2911, 0.3014



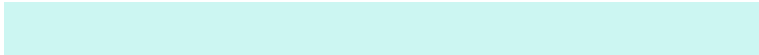
85.1597, 0.3367, 0.3243



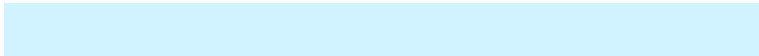
85.1597, 0.3343, 0.3575

Rectangle

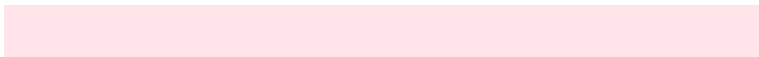
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



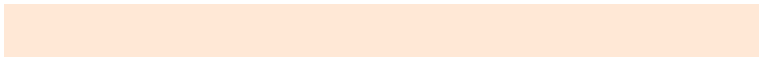
85.1597, 0.2891, 0.3332



85.1597, 0.2814, 0.3099



85.1597, 0.3367, 0.3243



85.1597, 0.3450, 0.3471

Sweetspot

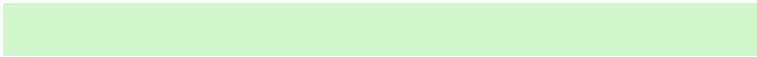
The Sweet Spot groups the original color and five complimentary colors.



85.1632, 0.2891, 0.3332



97.5832, 0.3056, 0.3302



83.7158, 0.3132, 0.3750



20.8168, 0.3046, 0.3303



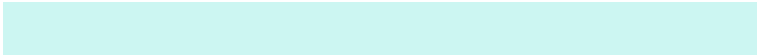
0.0000, 0.0000, 0.0000



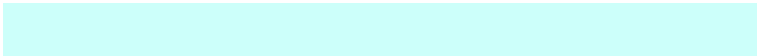
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1632, 0.2891, 0.3332



91.2670, 0.2852, 0.3340



75.6523, 0.2860, 0.3108



18.7289, 0.2993, 0.3313



38.0207, 0.2330, 0.3588



3.3495, 0.2319, 0.3547

Inverse Universe

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



67.3505, 0.3425, 0.3249



69.0433, 0.3489, 0.3241



75.5716, 0.3426, 0.3465



16.5083, 0.3279, 0.3268



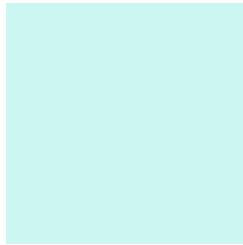
10.5010, 0.6292, 0.3240



0.9314, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 85.1597, 0.2891, 0.3332 looks on a white background.

Color Contrast Check

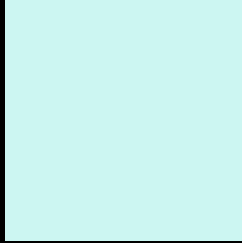
Large Text (above 18pt) WCAG AA × Fail

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 85.1597, 0.2891, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

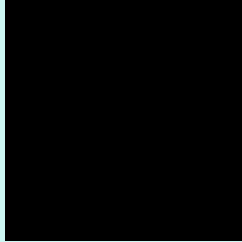
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

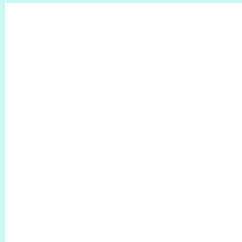
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1597, 0.2891, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 85.1597, 0.2891, 0.3332.

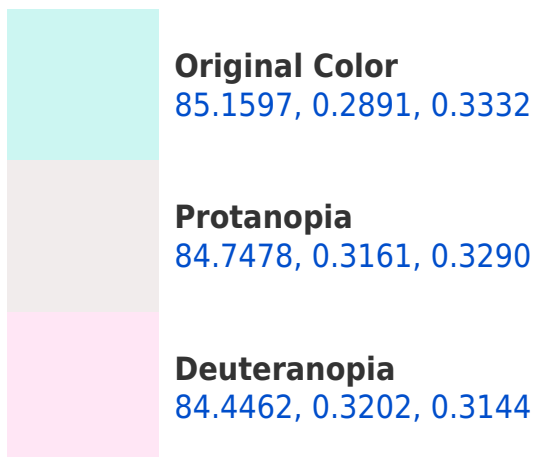


This preview shows how white text looks on a background with the Yxy color 85.1597, 0.2891, 0.3332.

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

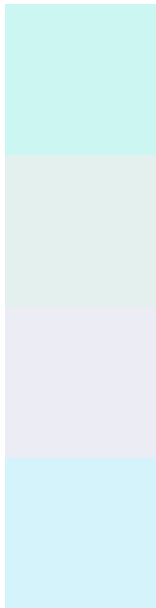




Tritanopia

84.8823, 0.2895, 0.3145

Trichromacy



Original Color

85.1597, 0.2891, 0.3332

Protanomaly

84.9872, 0.3061, 0.3310

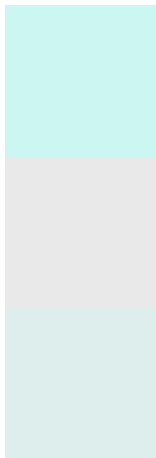
Deuteranomaly

84.3554, 0.3078, 0.3209

Tritanomaly

85.0004, 0.2893, 0.3216

Monochromacy



Original Color

85.1597, 0.2891, 0.3332

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.7348, 0.3035, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1597, 0.2891, 0.3332 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(204, 246, 242)` looks like.

```
.text, #text, p{  
    color:rgb(204, 246, 242)  
}
```

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(204, 246, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 246, 242) }
```

Border

The CSS property to change the border of an element to Yxy 85.1597, 0.2891, 0.3332 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(204, 246, 242) }
```

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

```
.border{ border-color:rgb(204, 246, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 246, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 246, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 246, 242);  
box-shadow:4px 4px 4px 4px rgb(204, 246,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1597, 0.2891, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 246, 242) }
```

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

```
.background{ background-color: rgb(204,  
246, 242) }
```

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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