

Converting Colors

$Yxy(84.4466, 0.2892, 0.3397)$

Have a look what the booklet for
Yxy(84.4466, 0.2892, 0.3397)
contains.

Yxy(84.1681, 0.2889, 0.3386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.1681, 0.2889, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	C7F6ED
RGB	199, 246, 237
RGB Percent	78%, 96%, 93%
CMY	0.2193, 0.0354, 0.0705
CMYK	0.19, 0.00, 0.04, 0.04
HSL	169°, 72%, 87%
HSV	169°, 19%, 96%
XYZ	71.8138, 84.1681, 92.5949
YIQ	230.9210, -25.1230, -12.7630

Conversions

Conversions Part 2

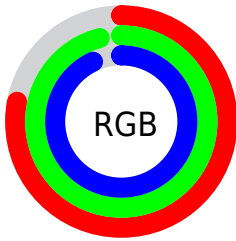
Format	Color
RYB	199, 225, 246
Decimal	13104877
CIELab	93.52, -16.68, -0.65
CIElCh	94, 16.696, 182.232
Yxy	84.1681, 0.2889, 0.3386
Android (android.graphics.Color)	4291294957 (0xFFC7F6ED)
YUV	230.9210, 2.9969, -27.9947
Hunter-Lab	91.7432, -20.8261, 4.3798

Details

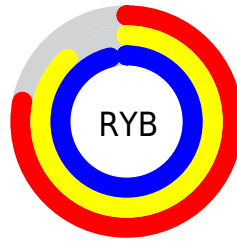
The Yxy color **84.1681, 0.2889, 0.3386** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0339, 0.3433, 0.3197**, and the grayscale version is **79.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0924, 0.2835, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **80.8011, 0.2775, 0.3443**, and if you desaturate by 10%, it is **88.0932, 0.3011, 0.3333**.

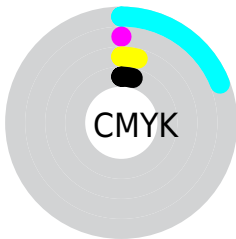
Distribution



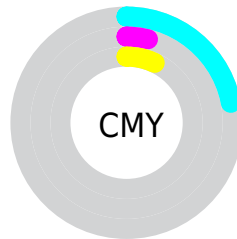
- Red (78%)
- Green (96%)
- Blue (93%)



- Red (78%)
- Yellow (88%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (22%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1681, 0.2889, 0.3386 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 84.1681, 0.2889, 0.3386 by changing the saturation by 10% instead.

 84.1681, 0.2889,
0.3386

 84.1681, 0.2889,
0.3386


508.8713, 0.2996,
0.3343

 63.1542, 0.2865,
0.3395


139.2103, 0.2926,
0.3371

 45.9660, 0.2836,
0.3407


174.0074, 0.2940,
0.3366

 32.2190, 0.2800,
0.3421


214.1677, 0.2952,
0.3361

 21.5288, 0.2753,
0.3440

260.0757, 0.2963,
0.3356

 13.5111, 0.2691,
0.3464

312.1156, 0.2973,
0.3352

 7.7814, 0.2605,
0.3498

370.6719, 0.2982,

 3.9554, 0.2476,

0.3349

0.3549

436.1290, 0.2989,
0.3346

1.6486, 0.2264,
0.3630

0.3901, 0.0000,
0.4534

84.1681, 0.2889,
0.3386

84.1681, 0.2889,
0.3386

80.8011, 0.2775,
0.3443

88.0932, 0.3011,
0.3333

77.9556, 0.2673,
0.3504

92.5903, 0.3139,
0.3286

75.6069, 0.2585,
0.3569


94.1350, 0.3154,
0.3241


73.7239, 0.2514,
0.3637


94.3820, 0.3131,
0.3204

 72.2722, 0.2462,
0.3706

 71.2124, 0.2430,
0.3777

 70.4980, 0.2418,
0.3847

 70.0588, 0.2422,
0.3916

 70.0235, 0.2423,
0.3922

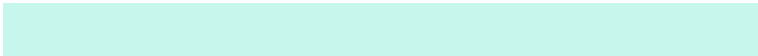
Harmonies

Analogous

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



84.1681, 0.3060, 0.3541



84.1681, 0.2889, 0.3386



84.1681, 0.2783, 0.3207

Triad

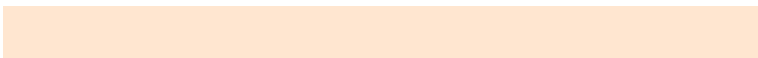
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1681, 0.2889, 0.3386



84.1681, 0.2994, 0.2979



84.1681, 0.3501, 0.3508

Complementary

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



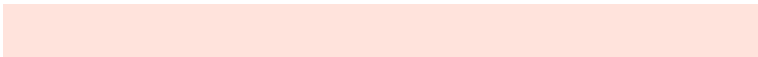
84.1681, 0.2889, 0.3386



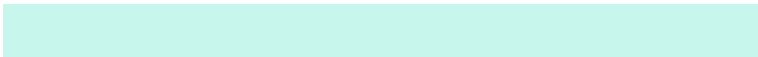
65.0339, 0.3433, 0.3197

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.



84.1681, 0.3484, 0.3355



84.1681, 0.2889, 0.3386



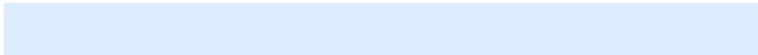
84.1681, 0.3187, 0.3057

Square

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



84.1681, 0.2889, 0.3386



84.1681, 0.2842, 0.2978



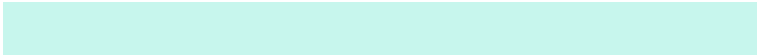
84.1681, 0.3367, 0.3192



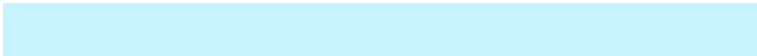
84.1681, 0.3415, 0.3608

Rectangle

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



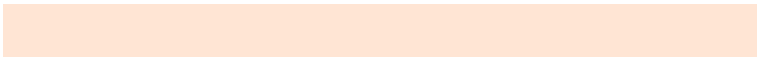
84.1681, 0.2889, 0.3386



84.1681, 0.2761, 0.3102



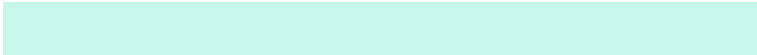
84.1681, 0.3367, 0.3192



84.1681, 0.3508, 0.3461

Sweetspot

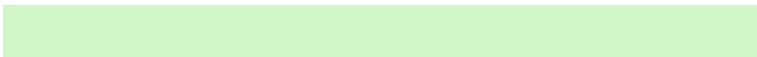
The Sweet Spot groups the original color and five complimentary colors.



84.1716, 0.2889, 0.3386



97.0258, 0.3050, 0.3318



83.5072, 0.3163, 0.3805



20.7012, 0.3042, 0.3322



0.0000, 0.0000, 0.0000



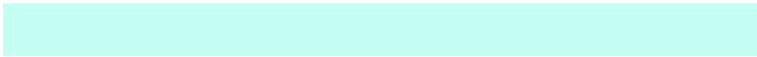
21.4041, 0.3127, 0.3290

Same Dimension

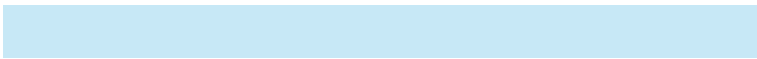
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1716, 0.2889, 0.3386



89.8215, 0.2843, 0.3408



76.4725, 0.2832, 0.3137



18.7003, 0.3006, 0.3336



37.4012, 0.2420, 0.3911



3.3009, 0.2396, 0.3824

Inverse Universe

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



65.0339, 0.3433, 0.3197



65.4305, 0.3514, 0.3176



71.3849, 0.3476, 0.3439



16.5343, 0.3263, 0.3245



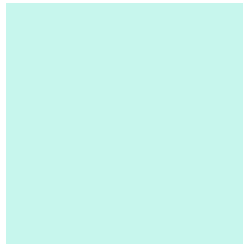
10.5828, 0.6099, 0.3133



0.9438, 0.5771, 0.2953

Previews

White Background



This preview shows how the Yxy color 84.1681, 0.2889, 0.3386 looks on a white background.

Color Contrast Check

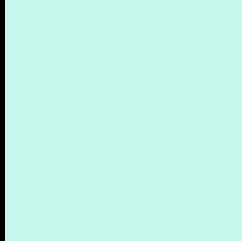
Large Text (above 18pt) WCAG AA × Fail

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 84.1681, 0.2889, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

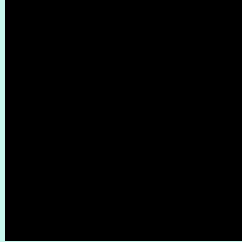
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

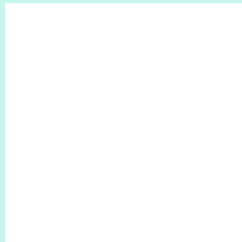
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1681, 0.2889, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 84.1681, 0.2889, 0.3386.

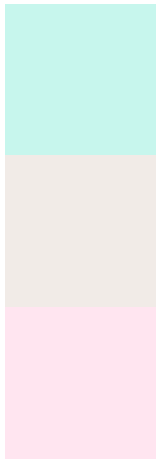


This preview shows how white text looks on a background with the Yxy color 84.1681, 0.2889, 0.3386.

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

84.1681, 0.2889, 0.3386

Protanopia

83.8870, 0.3193, 0.3331

Deuteranopia

83.5899, 0.3236, 0.3182



Tritanopia

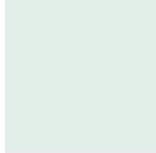
84.2767, 0.2871, 0.3144

Trichromacy



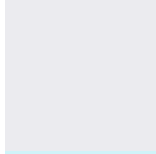
Original Color

84.1681, 0.2889, 0.3386



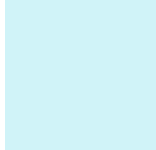
Protanomaly

83.7849, 0.3078, 0.3352



Deuteranomaly

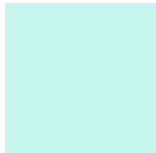
83.3108, 0.3102, 0.3249



Tritanomaly

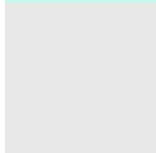
84.2884, 0.2880, 0.3237

Monochromacy



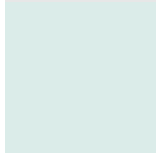
Original Color

84.1681, 0.2889, 0.3386



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

80.9342, 0.3034, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1681, 0.2889, 0.3386 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(199, 246, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 246, 237)  
}
```

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(199, 246, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 246, 237) }
```

Border

The CSS property to change the border of an element to Yxy 84.1681, 0.2889, 0.3386 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(199, 246, 237) }
```

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

```
.border{ border-color:rgb(199, 246, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 246, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 246, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 246, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 246,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1681, 0.2889, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 246, 237) }
```

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

```
.background{ background-color: rgb(199,  
246, 237) }
```

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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