

Converting Colors

Yxy(84.2106, 0.2943, 0.3402)

Have a look what the booklet for
Yxy(84.2106, 0.2943, 0.3402)
contains.

Yxy(84.3671, 0.2947, 0.3407)	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(84.3671, 0.2947, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	CEF5EA
RGB	206, 245, 234
RGB Percent	81%, 96%, 92%
CMY	0.1918, 0.0393, 0.0823
CMYK	0.16, 0.00, 0.04, 0.04
HSL	163°, 66%, 88%
HSV	163°, 16%, 96%
XYZ	72.9762, 84.3671, 90.2854
YIQ	232.0850, -19.7130, -11.6890

Conversions

Conversions Part 2

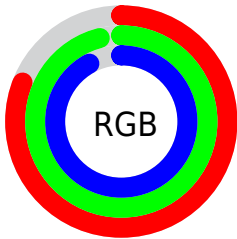
Format	Color
R _{YB}	206, 229, 245
Decimal	13563370
CIE Lab	93.61, -14.61, 1.09
CIE LCh	94, 14.652, 175.745
Yxy	84.3671, 0.2947, 0.3407
Android (android.graphics.Color)	4291753450 (0xFFCEF5EA)
YUV	232.0850, 0.9441, -22.8765
Hunter-Lab	91.8516, -18.9218, 6.0170

Details

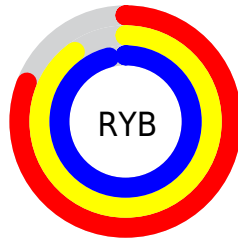
The Yxy color **84.3671, 0.2947, 0.3407** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6086, 0.3346, 0.3176**, and the grayscale version is **80.7805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1889, 0.2907, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **80.7417, 0.2841, 0.3490**, and if you desaturate by 10%, it is **88.5616, 0.3059, 0.3331**.

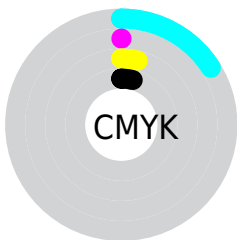
Distribution



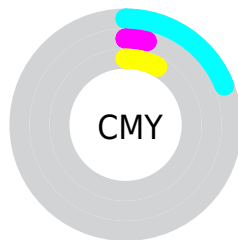
- Red (81%)
- Green (96%)
- Blue (92%)



- Red (81%)
- Yellow (90%)
- Blue (96%)



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



- Cyan (19%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3671, 0.2947, 0.3407 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 84.3671, 0.2947, 0.3407 by changing the saturation by 10% instead.

84.3671, 0.2947,
0.3407

84.3671, 0.2947,
0.3407

509.5315, 0.3028,
0.3354

63.3186, 0.2929,
0.3419

139.4886, 0.2975,
0.3389

46.0990, 0.2907,
0.3433

174.3303, 0.2986,
0.3382

32.3239, 0.2879,
0.3451

214.5386, 0.2995,
0.3376

21.6090, 0.2843,
0.3475

260.4977, 0.3003,
0.3370

13.5699, 0.2796,
0.3506

312.5922, 0.3011,
0.3365

7.8221, 0.2729,
0.3551


371.2064, 0.3017,


3.9814, 0.2629,


0.3361


0.3617


436.7247, 0.3023,
0.3358


 1.6631, 0.2462,
0.3730


 0.3996, 0.0296,
0.5111


 84.3671, 0.2947,
0.3407


 84.3671, 0.2947,
0.3407


 80.7417, 0.2841,
0.3490


 88.5616, 0.3059,
0.3331


 77.6494, 0.2744,
0.3581


 93.3220, 0.3175,
0.3263

 75.0664, 0.2660,
0.3677

 93.7587, 0.3133,
0.3197


 72.9627, 0.2591,
0.3779


 93.7749, 0.3132,
0.3194

 71.3055, 0.2540,
0.3885

 70.0572, 0.2509,
0.3993

 69.1743, 0.2499,
0.4101

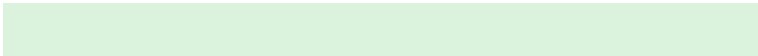
 68.6029, 0.2507,
0.4207

 68.4238, 0.2514,
0.4251

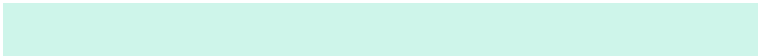
Harmonies

Analogous

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



84.3671, 0.3105, 0.3532



84.3671, 0.2947, 0.3407



84.3671, 0.2839, 0.3251

Triad

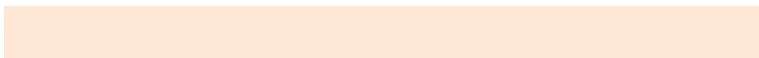
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3671, 0.2947, 0.3407



84.3671, 0.2978, 0.3010



84.3671, 0.3460, 0.3456

Complementary

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



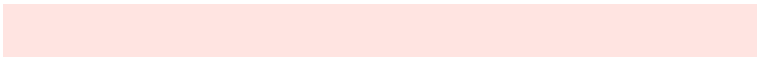
84.3671, 0.2947, 0.3407



68.6086, 0.3346, 0.3176

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.



84.3671, 0.3424, 0.3317



84.3671, 0.2947, 0.3407



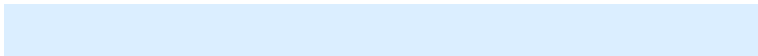
84.3671, 0.3143, 0.3065

Square

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



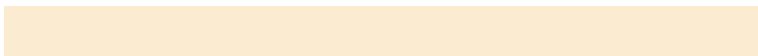
84.3671, 0.2947, 0.3407



84.3671, 0.2856, 0.3025



84.3671, 0.3307, 0.3175



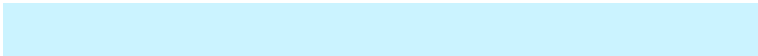
84.3671, 0.3403, 0.3556

Rectangle

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



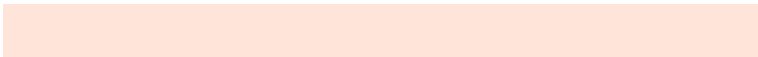
84.3671, 0.2947, 0.3407



84.3671, 0.2807, 0.3154



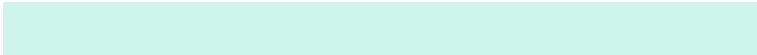
84.3671, 0.3307, 0.3175



84.3671, 0.3458, 0.3412

Sweetspot

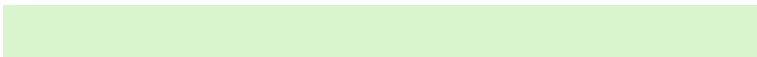
The Sweet Spot groups the original color and five complimentary colors.



84.3706, 0.2947, 0.3407



97.4319, 0.3069, 0.3325



84.5241, 0.3179, 0.3709



20.7800, 0.3061, 0.3330



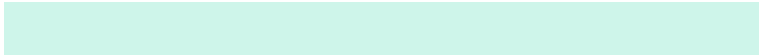
0.0000, 0.0000, 0.0000



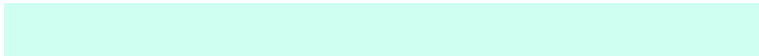
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3706, 0.2947, 0.3407



91.0912, 0.2913, 0.3433



80.0382, 0.2883, 0.3199



18.6734, 0.3018, 0.3358



36.8918, 0.2509, 0.4233



3.2600, 0.2472, 0.4100

Inverse Universe

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



68.6086, 0.3346, 0.3176



70.8469, 0.3399, 0.3152



72.2253, 0.3414, 0.3379



16.5594, 0.3249, 0.3223



10.7106, 0.5826, 0.2983



0.9582, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 84.3671, 0.2947, 0.3407 looks on a white background.

Color Contrast Check

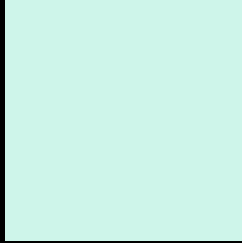
Large Text (above 18pt) WCAG AA × Fail

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 84.3671, 0.2947, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

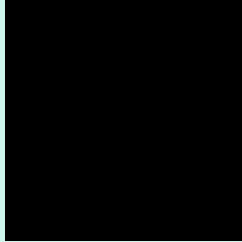
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

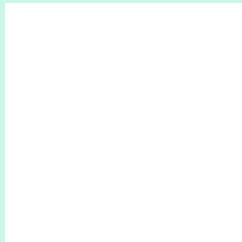
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3671, 0.2947, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 84.3671, 0.2947, 0.3407.

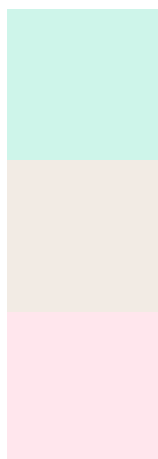


This preview shows how white text looks on a background with the Yxy color 84.3671, 0.2947, 0.3407.

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

84.3671, 0.2947, 0.3407

Protanopia

83.8953, 0.3219, 0.3361

Deuteranopia

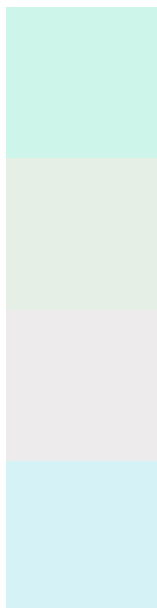
83.9681, 0.3254, 0.3222



Tritanopia

84.2919, 0.2894, 0.3135

Trichromacy



Original Color

84.3671, 0.2947, 0.3407

Protanomaly

84.1042, 0.3116, 0.3383

Deuteranomaly

83.4773, 0.3134, 0.3280

Tritanomaly

84.3658, 0.2915, 0.3237

Monochromacy



Original Color

84.3671, 0.2947, 0.3407

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

82.1395, 0.3059, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3671, 0.2947, 0.3407 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, 245, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 245, 234)  
}
```

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, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 245, 234) }
```

Border

The CSS property to change the border of an element to Yxy 84.3671, 0.2947, 0.3407 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, 245, 234) }
```

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

```
.border{ border-color:rgb(206, 245, 234) }
```

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

Here you see how a box with a 4 pixel rgb(206, 245, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 245,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3671, 0.2947, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 245, 234) }
```

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

```
.background{ background-color: rgb(206,  
245, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor