

Converting Colors

$Yxy(84.3690, 0.2957, 0.3414)$

Have a look what the booklet for
Yxy(84.3690, 0.2957, 0.3414)
contains.

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Color

Yxy(84.4534, 0.2958, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	CFF5E9
RGB	207, 245, 233
RGB Percent	81%, 96%, 91%
CMY	0.1883, 0.0392, 0.0862
CMYK	0.16, 0.00, 0.05, 0.04
HSL	161°, 66%, 89%
HSV	161°, 16%, 96%
XYZ	73.0875, 84.4534, 89.5433
YIQ	232.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

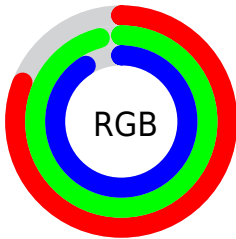
Format	Color
R_{YB}	207, 230, 245
Decimal	13628905
CIE _{Lab}	93.65, -14.54, 1.67
CIE _{LCh}	94, 14.635, 173.457
Yxy	84.4534, 0.2958, 0.3418
Android (android.graphics.Color)	4291818985 (0xFFCFF5E9)
YUV	232.2700, 0.3599, -22.1618
Hunter-Lab	91.8985, -18.8602, 6.5585

Details

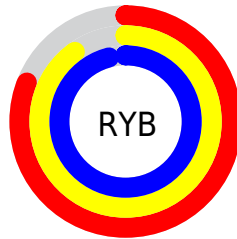
The Yxy color **84.4534, 0.2958, 0.3418** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1416, 0.3331, 0.3166**, and the grayscale version is **80.9157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2449, 0.2921, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **80.7656, 0.2856, 0.3511**, and if you desaturate by 10%, it is **88.7151, 0.3066, 0.3333**.

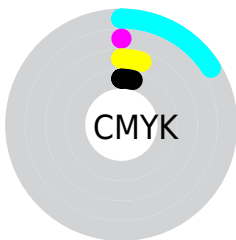
Distribution



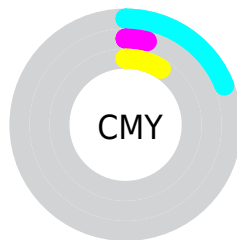
- Red (81%)
- Green (96%)
- Blue (91%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (19%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4534, 0.2958, 0.3418 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 84.4534, 0.2958, 0.3418 by changing the saturation by 10% instead.

 84.4534, 0.2958,
0.3418

 84.4534, 0.2958,
0.3418


509.8176, 0.3034,
0.3360

 63.3898, 0.2941,
0.3431


139.6092, 0.2984,
0.3398

 46.1567, 0.2920,
0.3447


174.4703, 0.2994,
0.3390

 32.3695, 0.2894,
0.3467


214.6993, 0.3003,
0.3384

 21.6439, 0.2860,
0.3493

260.6807, 0.3011,
0.3378

 13.5954, 0.2816,
0.3527

312.7988, 0.3018,
0.3372

 7.8398, 0.2752,
0.3577

371.4381, 0.3024,

 3.9926, 0.2658,

0.3368

436.9829, 0.3030,
0.3364

0.3651

1.6694, 0.2499,
0.3778

0.4038, 0.0381,
0.5344

84.4534, 0.2958,
0.3418

84.4534, 0.2958,
0.3418

80.7656, 0.2856,
0.3511

88.7151, 0.3066,
0.3333


77.6158, 0.2762,
0.3613

93.3782, 0.3171,
0.3257


74.9801, 0.2681,
0.3722


93.7915, 0.3132,
0.3195


72.8287, 0.2614,
0.3837

 71.1285, 0.2566,
0.3956

 69.8423, 0.2537,
0.4078

 68.9267, 0.2528,
0.4200

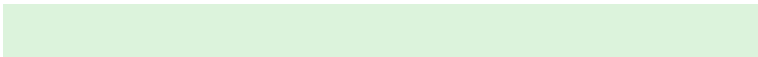
 68.3282, 0.2539,
0.4320

 68.1268, 0.2548,
0.4374

Harmonies

Analogous

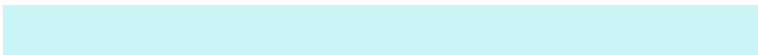
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4534, 0.3118, 0.3538



84.4534, 0.2958, 0.3418



84.4534, 0.2845, 0.3263

Triad

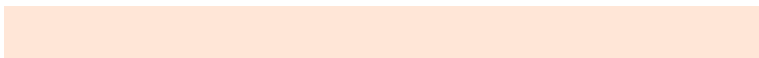
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4534, 0.2958, 0.3418



84.4534, 0.2967, 0.3009



84.4534, 0.3460, 0.3446

Complementary

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



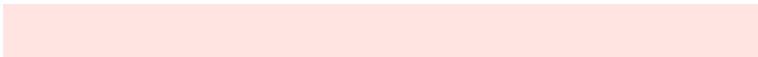
84.4534, 0.2958, 0.3418



69.1416, 0.3331, 0.3166

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.



84.4534, 0.3417, 0.3306



84.4534, 0.2958, 0.3418



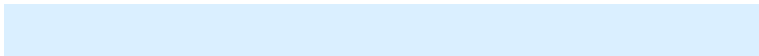
84.4534, 0.3129, 0.3058

Square

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



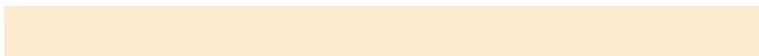
84.4534, 0.2958, 0.3418



84.4534, 0.2850, 0.3030



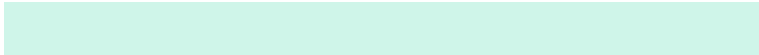
84.4534, 0.3295, 0.3166



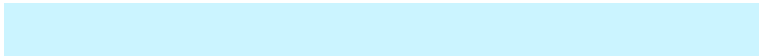
84.4534, 0.3410, 0.3550

Rectangle

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



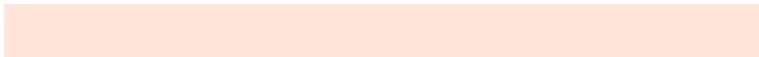
84.4534, 0.2958, 0.3418



84.4534, 0.2810, 0.3165



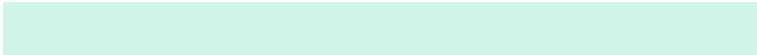
84.4534, 0.3295, 0.3166



84.4534, 0.3456, 0.3401

Sweetspot

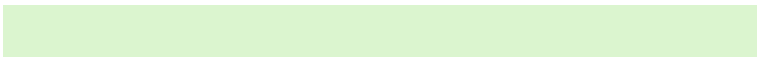
The Sweet Spot groups the original color and five complimentary colors.



84.4569, 0.2958, 0.3418



97.4050, 0.3072, 0.3329



84.8785, 0.3186, 0.3697



20.7734, 0.3064, 0.3335



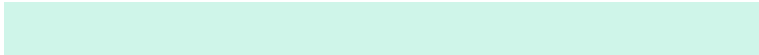
0.0000, 0.0000, 0.0000



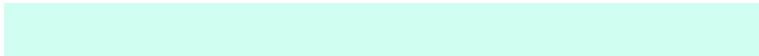
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4569, 0.2958, 0.3418



90.9946, 0.2921, 0.3450



81.0262, 0.2888, 0.3215



18.6636, 0.3023, 0.3366



36.7238, 0.2543, 0.4354



3.2462, 0.2501, 0.4204

Inverse Universe

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



69.1416, 0.3331, 0.3166



70.9333, 0.3387, 0.3136



71.9854, 0.3409, 0.3364



16.5687, 0.3244, 0.3216



10.7711, 0.5708, 0.2918



0.9645, 0.5355, 0.2723

Previews

White Background



This preview shows how the Yxy color 84.4534, 0.2958, 0.3418 looks on a white background.

Color Contrast Check

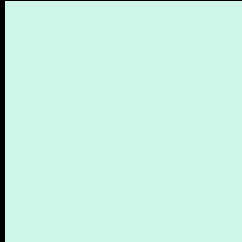
Large Text (above 18pt) WCAG AA × Fail

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 84.4534, 0.2958, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

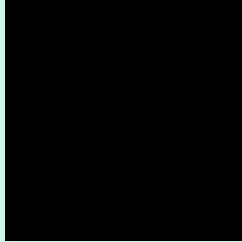
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

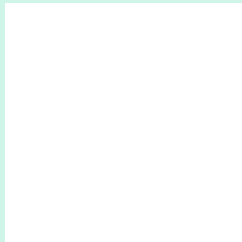
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4534, 0.2958, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 84.4534, 0.2958, 0.3418.

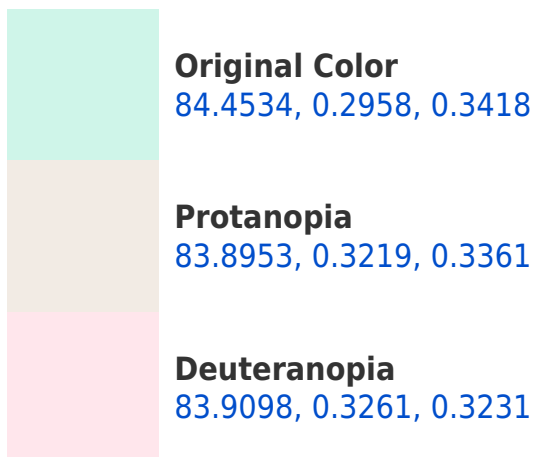


This preview shows how white text looks on a background with the Yxy color 84.4534, 0.2958, 0.3418.

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

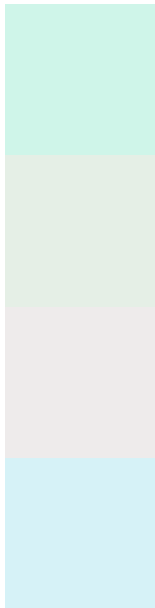




Tritanopia

84.4456, 0.2900, 0.3135

Trichromacy



Original Color

84.4534, 0.2958, 0.3418

Protanomaly

84.1042, 0.3116, 0.3383

Deuteranomaly

83.5920, 0.3147, 0.3290

Tritanomaly

84.5158, 0.2921, 0.3237

Monochromacy



Original Color

84.4534, 0.2958, 0.3418

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

82.0825, 0.3065, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4534, 0.2958, 0.3418 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, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(207, 245, 233)  
}
```

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, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 245, 233) }
```

Border

The CSS property to change the border of an element to Yxy 84.4534, 0.2958, 0.3418 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, 245, 233) }
```

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

```
.border{ border-color:rgb(207, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(207, 245,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4534, 0.2958, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 245, 233) }
```

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

```
.background{ background-color: rgb(207,  
245, 233) }
```

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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