

Converting Colors

$Yxy(84.5909, 0.3217, 0.3944)$

Have a look what the booklet for
Yxy(84.5909, 0.3217, 0.3944)
contains.

Yxy(84.8354, 0.3216, 0.3950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.8354, 0.3216, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	D0F9BD
RGB	208, 249, 189
RGB Percent	82%, 98%, 74%
CMY	0.1843, 0.0235, 0.2589
CMYK	0.16, 0.00, 0.24, 0.02
HSL	101°, 83%, 86%
HSV	101°, 24%, 98%
XYZ	69.0710, 84.8354, 60.8667
YIQ	229.9010, -5.1760, -27.3520

Conversions

Conversions Part 2

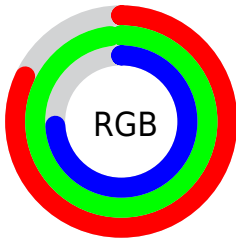
Format	Color
R _{YB}	189, 249, 230
Decimal	13695421
CIE _{Lab}	93.81, -23.80, 24.58
CIE _{LCh}	94, 34.213, 134.081
Y _{xy}	84.8354, 0.3216, 0.3950
Android (android.graphics.Color)	4291885501 (0xFFD0F9BD)
YUV	229.9010, -20.1642, -19.2072
Hunter-Lab	92.1061, -27.3273, 25.2935

Details

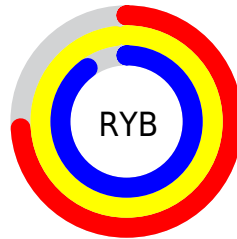
The Yxy color **84.8354, 0.3216, 0.3950** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0487, 0.3011, 0.2662**, and the grayscale version is **79.2092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **46.2208, 0.3232, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **81.5139, 0.3246, 0.4263**, and if you desaturate by 10%, it is **88.6143, 0.3181, 0.3658**.

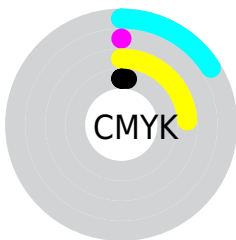
Distribution



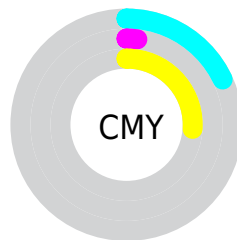
- Red (82%)
- Green (98%)
- Blue (74%)



- Red (74%)
- Yellow (98%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)





- Cyan (18%)
- Magenta (2%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8354, 0.3216, 0.3950 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 84.8354, 0.3216, 0.3950 by changing the saturation by 10% instead.


 84.8354, 0.3216,
0.3950

 84.8354, 0.3216,
0.3950


511.0833, 0.3182,
0.3642

 63.7054, 0.3222,
0.4021


 140.1432, 0.3206,
0.3843

 46.4121, 0.3228,
0.4108


175.0897, 0.3201,
0.3801

 32.5711, 0.3234,
0.4220


215.4106, 0.3197,
0.3765

 21.7981, 0.3240,
0.4365

261.4902, 0.3194,
0.3734

 13.7086, 0.3243,
0.4562

313.7128, 0.3191,
0.3707

 7.9183, 0.3237,
0.4845

372.4629, 0.3188,

 4.0427, 0.3204,

0.3683

0.5276

438.1250, 0.3185,
0.3661

■ 1.6975, 0.3395,
0.6605

■ 0.4220, 0.0000,
1.0000

■ 84.8354, 0.3216,
0.3950

■ 84.8354, 0.3216,
0.3950

■ 81.5139, 0.3246,
0.4263

■ 88.6143, 0.3181,
0.3658

■ 78.6212, 0.3268,
0.4589

■ 92.8564, 0.3143,
0.3392

■ 76.1417, 0.3279,
0.4913

■ 96.2361, 0.3130,
0.3233

■ 74.0549, 0.3276,
0.5217

■ 72.3381, 0.3257,
0.5483

■ 70.9661, 0.3223,
0.5691

■ 69.9093, 0.3175,
0.5830

■ 69.4136, 0.3145,
0.5885

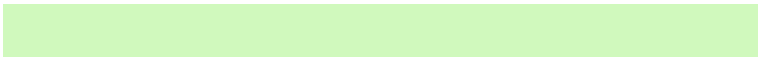
Harmonies

Analogous

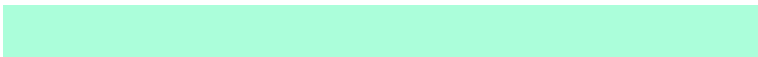
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8354, 0.3588, 0.3981



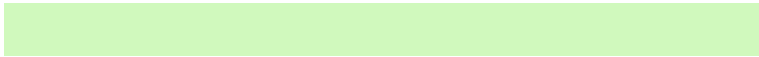
84.8354, 0.3216, 0.3950



84.8354, 0.2835, 0.3703

Triad

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



84.8354, 0.3216, 0.3950



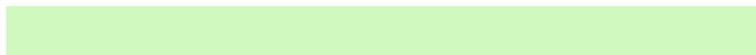
84.8354, 0.2448, 0.2735



84.8354, 0.3738, 0.3209

Complementary

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



84.8354, 0.3216, 0.3950



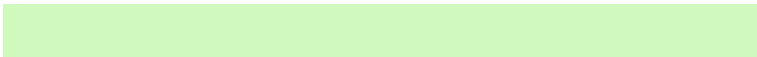
60.0487, 0.3011, 0.2662

Split Complementary

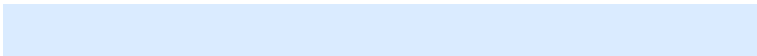
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8354, 0.3398, 0.2923



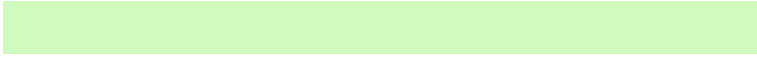
84.8354, 0.3216, 0.3950



84.8354, 0.2657, 0.2653

Square

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



84.8354, 0.3216, 0.3950



84.8354, 0.2408, 0.2973



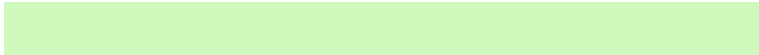
84.8354, 0.2999, 0.2724



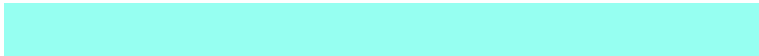
84.8354, 0.3904, 0.3529

Rectangle

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



84.8354, 0.3216, 0.3950



84.8354, 0.2627, 0.3459



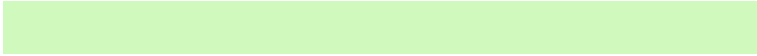
84.8354, 0.2999, 0.2724



84.8354, 0.3639, 0.3107

Sweetspot

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



84.8391, 0.3216, 0.3950



96.6632, 0.3154, 0.3466



79.8525, 0.3537, 0.3703



20.6308, 0.3156, 0.3482



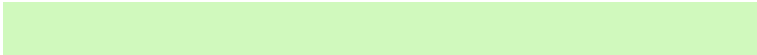
0.0000, 0.0000, 0.0000



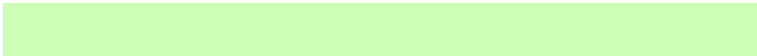
21.4041, 0.3127, 0.3290

Same Dimension

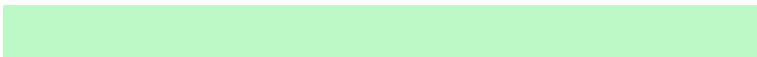
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8391, 0.3216, 0.3950



87.7633, 0.3232, 0.4102



82.6954, 0.3039, 0.3857



19.5760, 0.3164, 0.3532



37.2201, 0.3155, 0.5877



3.5013, 0.3243, 0.5807

Inverse Universe

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



60.0487, 0.3011, 0.2662



57.3723, 0.2981, 0.2525



62.7605, 0.3230, 0.2783



17.2327, 0.3087, 0.3053



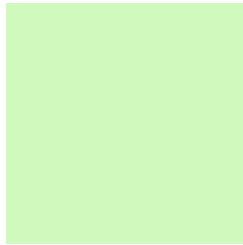
8.3218, 0.2421, 0.1108



0.8274, 0.2517, 0.1160

Previews

White Background



This preview shows how the Yxy color 84.8354, 0.3216, 0.3950 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 84.8354, 0.3216, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

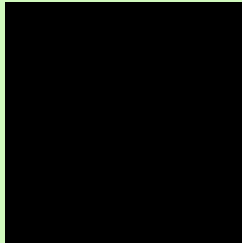
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

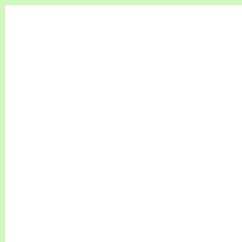
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8354, 0.3216, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 84.8354, 0.3216, 0.3950.

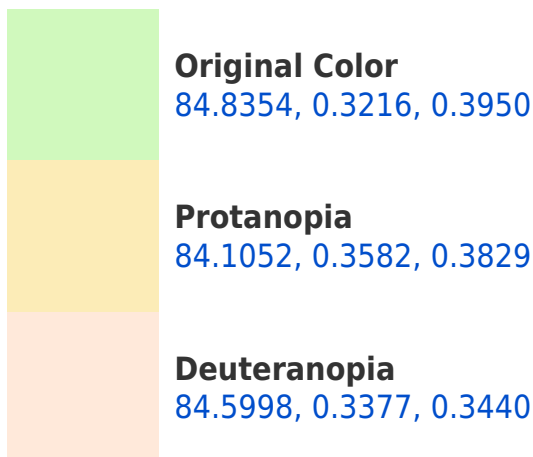


This preview shows how white text looks on a background with the Yxy color 84.8354, 0.3216, 0.3950.

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

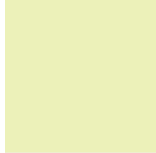
84.4826, 0.2924, 0.3126

Trichromacy



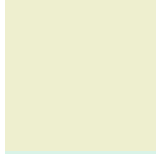
Original Color

84.8354, 0.3216, 0.3950



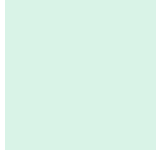
Protanomaly

84.2462, 0.3443, 0.3878



Deuteranomaly

84.4151, 0.3321, 0.3622



Tritanomaly

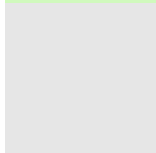
84.6224, 0.3032, 0.3416

Monochromacy



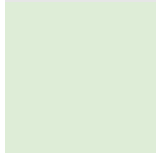
Original Color

84.8354, 0.3216, 0.3950



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.0043, 0.3163, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8354, 0.3216, 0.3950 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(208, 249, 189)` looks like.

```
.text, #text, p{  
    color:rgb(208, 249, 189)  
}
```

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(208, 249, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 249, 189) }
```

Border

The CSS property to change the border of an element to Yxy 84.8354, 0.3216, 0.3950 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(208, 249, 189) }
```

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

```
.border{ border-color:rgb(208, 249, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 249, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 249, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 249, 189); box-shadow:4px 4px 4px 4px rgb(208, 249, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8354, 0.3216, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 249, 189) }
```

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

```
.background{ background-color: rgb(208,  
249, 189) }
```

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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