

Converting Colors

$Yxy(89.1268, 0.3119, 0.3842)$

Have a look what the booklet for
Yxy(89.1268, 0.3119, 0.3842)
contains.

Yxy(89.1450, 0.3120, 0.3842)	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(89.1450, 0.3120, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFCC
RGB	207, 255, 204
RGB Percent	81%, 100%, 80%
CMY	0.1881, 0.0000, 0.2002
CMYK	0.19, 0.00, 0.20, 0.00
HSL	116°, 100%, 90%
HSV	116°, 20%, 100%
XYZ	72.3926, 89.1450, 70.4900
YIQ	234.8340, -12.2370, -26.0370

Conversions

Conversions Part 2

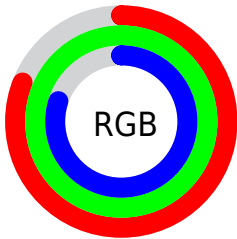
Format	Color
R_{YB}	204, 255, 252
Decimal	13631436
CIE _{Lab}	95.64, -24.59, 19.47
CIE _{LCh}	96, 31.365, 141.631
Yxy	89.1450, 0.3120, 0.3842
Android (android.graphics.Color)	4291821516 (0xFFCFFFCC)
YUV	234.8340, -15.2012, -24.4104
Hunter-Lab	94.4166, -28.3668, 21.8267

Details

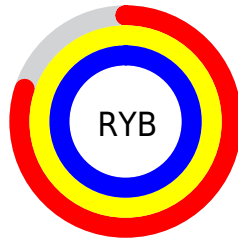
The Yxy color **89.1450, 0.3120, 0.3842** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0678, 0.3128, 0.2788**, and the grayscale version is **83.0721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2656, 0.3111, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **84.8278, 0.3113, 0.4166**, and if you desaturate by 10%, it is **94.1907, 0.3125, 0.3549**.

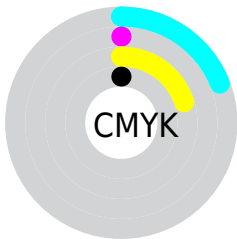
Distribution



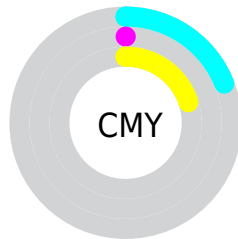
- Red (81%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1450, 0.3120, 0.3842 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 89.1450, 0.3120, 0.3842 by changing the saturation by 10% instead.


 89.1450, 0.3120,
0.3842

 89.1450, 0.3120,
0.3842


525.2456, 0.3128,
0.3587

 67.2717, 0.3117,
0.3900


146.1502, 0.3124,
0.3754

 49.3055, 0.3113,
0.3972


182.0509, 0.3125,
0.3719

 34.8619, 0.3107,
0.4063


223.3962, 0.3126,
0.3689

 23.5565, 0.3098,
0.4181

270.5705, 0.3126,
0.3664

 15.0050, 0.3083,
0.4341

323.9582, 0.3127,
0.3641

 8.8229, 0.3057,
0.4570

383.9437, 0.3127,

 4.6258, 0.3006,

0.3621

0.4920

450.9114, 0.3128,
0.3603

■ 2.0294, 0.2938,
0.5612

■ 0.6245, 0.0000,
1.0000

■ 89.1450, 0.3120,
0.3842

■ 89.1450, 0.3120,
0.3842

■ 84.8278, 0.3113,
0.4166

■ 94.1907, 0.3125,
0.3549

■ 81.1994, 0.3104,
0.4514

99.9897, 0.3127,
0.3290

■ 78.2261, 0.3091,
0.4872

100.0000, 0.3127,
0.3290

■ 75.8687, 0.3076,
0.5216

■ 74.0841, 0.3058,
0.5522

■ 72.8231, 0.3040,
0.5761

■ 72.0288, 0.3022,
0.5917

■ 71.6245, 0.3009,
0.5993

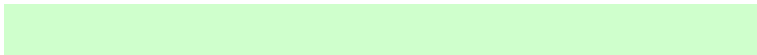
Harmonies

Analogous

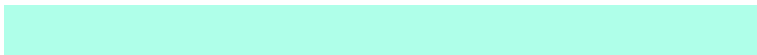
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1450, 0.3467, 0.3923



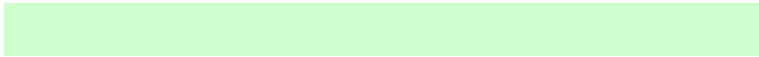
89.1450, 0.3120, 0.3842



89.1450, 0.2788, 0.3582

Triad

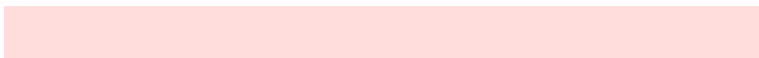
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1450, 0.3120, 0.3842



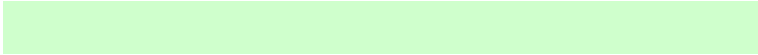
89.1450, 0.2546, 0.2756



89.1450, 0.3732, 0.3292

Complementary

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



89.1450, 0.3120, 0.3842



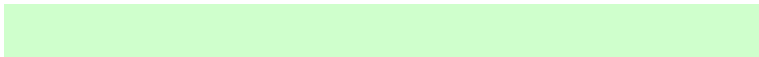
71.0678, 0.3128, 0.2788

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.



89.1450, 0.3459, 0.3017



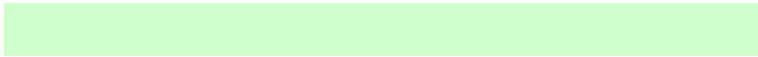
89.1450, 0.3120, 0.3842



89.1450, 0.2771, 0.2715

Square

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



89.1450, 0.3120, 0.3842



89.1450, 0.2469, 0.2940



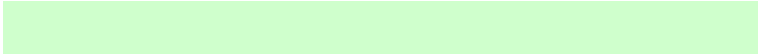
89.1450, 0.3103, 0.2811



89.1450, 0.3833, 0.3580

Rectangle

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



89.1450, 0.3120, 0.3842



89.1450, 0.2617, 0.3356



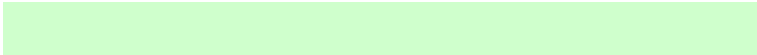
89.1450, 0.3103, 0.2811



89.1450, 0.3657, 0.3196

Sweetspot

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



89.1471, 0.3120, 0.3842



96.4275, 0.3126, 0.3441



94.9857, 0.3436, 0.3759



20.5598, 0.3126, 0.3458



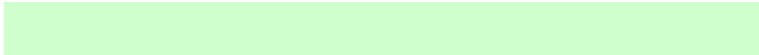
0.0000, 0.0000, 0.0000



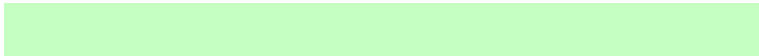
21.4041, 0.3127, 0.3290

Same Dimension

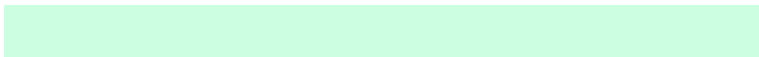
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1471, 0.3120, 0.3842



87.3416, 0.3118, 0.3968



89.8465, 0.2980, 0.3599



20.2203, 0.3125, 0.3535



37.4454, 0.3012, 0.5990



3.6634, 0.3042, 0.5967

Inverse Universe

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



71.0678, 0.3128, 0.2788



66.2829, 0.3128, 0.2686



70.3020, 0.3308, 0.3000



18.2414, 0.3128, 0.3055



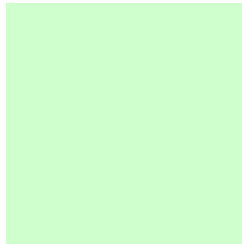
13.4451, 0.3058, 0.1459



1.3253, 0.3077, 0.1469

Previews

White Background



This preview shows how the Yxy color 89.1450, 0.3120, 0.3842 looks on a white background.

Color Contrast Check

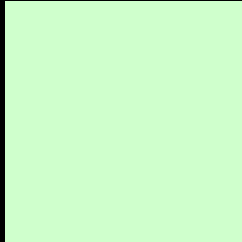
Large Text (above 18pt) WCAG AA × Fail

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 89.1450, 0.3120, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

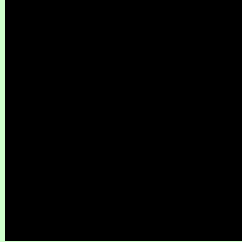
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

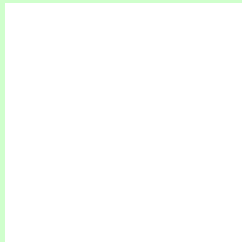
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1450, 0.3120, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 89.1450, 0.3120, 0.3842.

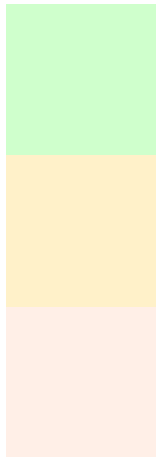


This preview shows how white text looks on a background with the Yxy color 89.1450, 0.3120, 0.3842.

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

89.1450, 0.3120, 0.3842

Protanopia

88.3876, 0.3475, 0.3690

Deuteranopia

88.7625, 0.3284, 0.3369



Tritanopia

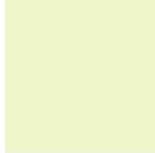
88.5794, 0.2968, 0.3179

Trichromacy



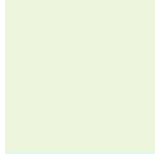
Original Color

89.1450, 0.3120, 0.3842



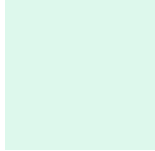
Protanomaly

88.3529, 0.3342, 0.3744



Deuteranomaly

88.7024, 0.3227, 0.3535



Tritanomaly

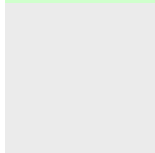
88.5631, 0.3027, 0.3414

Monochromacy



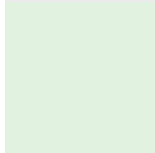
Original Color

89.1450, 0.3120, 0.3842



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8936, 0.3125, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1450, 0.3120, 0.3842 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, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 204)  
}
```

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, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 89.1450, 0.3120, 0.3842 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, 255, 204) }
```

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

```
.border{ border-color:rgb(207, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1450, 0.3120, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 204) }
```

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

```
.background{ background-color: rgb(207,  
255, 204) }
```

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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