

Converting Colors

$Yxy(89.8990, 0.3200, 0.3930)$

Have a look what the booklet for
Yxy(89.8990, 0.3200, 0.3930)
contains.

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Color

Yxy(89.6517, 0.3202, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	D5FFC4
RGB	213, 255, 196
RGB Percent	84%, 100%, 77%
CMY	0.1648, 0.0000, 0.2314
CMYK	0.16, 0.00, 0.23, 0.00
HSL	103°, 100%, 88%
HSV	103°, 23%, 100%
XYZ	73.1562, 89.6517, 65.6623
YIQ	235.7160, -6.0930, -27.2530

Conversions

Conversions Part 2

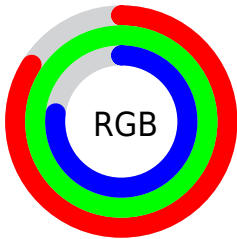
Format	Color
R_{YB}	196, 255, 238
Decimal	14024644
CIE _{Lab}	95.85, -23.90, 23.88
CIE _{LCh}	96, 33.784, 135.030
Yxy	89.6517, 0.3202, 0.3924
Android (android.graphics.Color)	4292214724 (0xFFD5FFC4)
YUV	235.7160, -19.5800, -19.9219
Hunter-Lab	94.6846, -27.7836, 25.1625

Details

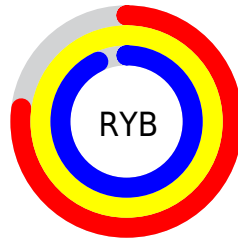
The Yxy color **89.6517, 0.3202, 0.3924** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.8720, 0.3029, 0.2690**, and the grayscale version is **83.7989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **49.6103, 0.3214, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **86.0175, 0.3228, 0.4238**, and if you desaturate by 10%, it is **93.7770, 0.3171, 0.3632**.

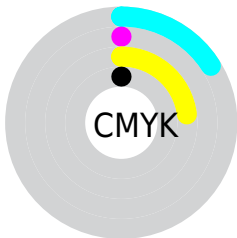
Distribution



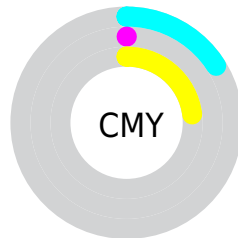
- Red (84%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6517, 0.3202, 0.3924 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 89.6517, 0.3202, 0.3924 by changing the saturation by 10% instead.


 89.6517, 0.3202,
0.3924

 89.6517, 0.3202,
0.3924


526.8972, 0.3175,
0.3631

 67.6918, 0.3207,
0.3991

146.8545, 0.3194,
0.3823

 49.6470, 0.3211,
0.4073


182.8662, 0.3190,
0.3783

 35.1330, 0.3216,
0.4176


224.3306, 0.3187,
0.3749

 23.7654, 0.3220,
0.4311

271.6321, 0.3184,
0.3719

 15.1597, 0.3221,
0.4492

325.1551, 0.3181,
0.3693

 8.9315, 0.3215,
0.4749


385.2841, 0.3179,


 4.6965, 0.3188,


0.3670


0.5137


452.4033, 0.3177,
0.3650


 2.0703, 0.3241,
0.6053


 0.6479, 0.0475,
0.9525

 89.6517, 0.3202,
0.3924

 89.6517, 0.3202,
0.3924

 86.0175, 0.3228,
0.4238


 93.7770, 0.3171,
0.3632

 82.8699, 0.3247,
0.4567

 98.4277, 0.3138,
0.3367

 80.1824, 0.3256,
0.4896

100.0000, 0.3127,
0.3290

 77.9320, 0.3251,
0.5208

■ 76.0932, 0.3232,
0.5481

■ 74.6379, 0.3198,
0.5696

■ 73.5332, 0.3153,
0.5842

■ 72.9520, 0.3119,
0.5905

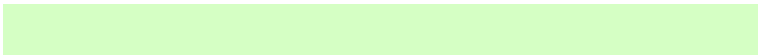
Harmonies

Analogous

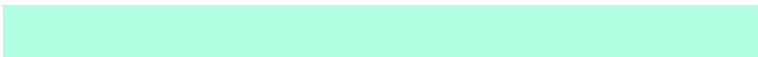
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6517, 0.3564, 0.3962



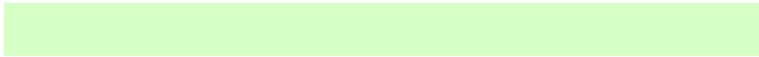
89.6517, 0.3202, 0.3924



89.6517, 0.2834, 0.3679

Triad

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



89.6517, 0.3202, 0.3924



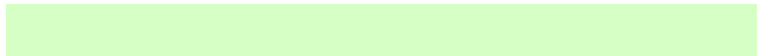
89.6517, 0.2472, 0.2747



89.6517, 0.3727, 0.3222

Complementary

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



89.6517, 0.3202, 0.3924



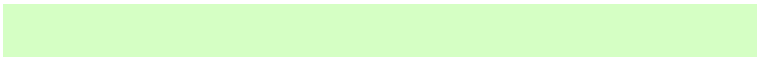
64.8720, 0.3029, 0.2690

Split Complementary

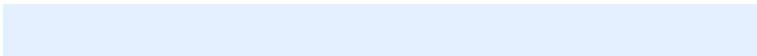
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6517, 0.3402, 0.2941



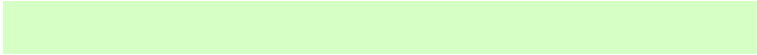
89.6517, 0.3202, 0.3924



89.6517, 0.2680, 0.2671

Square

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



89.6517, 0.3202, 0.3924



89.6517, 0.2427, 0.2974



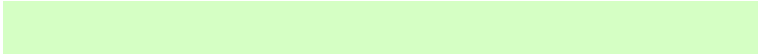
89.6517, 0.3016, 0.2744



89.6517, 0.3881, 0.3532

Rectangle

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



89.6517, 0.3202, 0.3924



89.6517, 0.2634, 0.3443



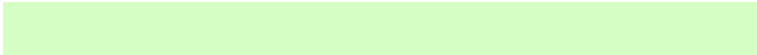
89.6517, 0.3016, 0.2744



89.6517, 0.3633, 0.3122

Sweetspot

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



89.6465, 0.3202, 0.3924



96.5714, 0.3151, 0.3466



85.9842, 0.3515, 0.3705



20.6096, 0.3153, 0.3482



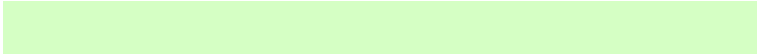
0.0000, 0.0000, 0.0000



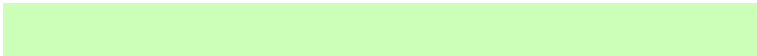
21.4041, 0.3127, 0.3290

Same Dimension

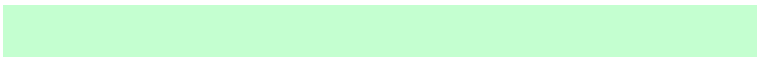
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6465, 0.3202, 0.3924



87.8227, 0.3215, 0.4074



87.7972, 0.3032, 0.3809



20.4213, 0.3159, 0.3533



38.1843, 0.3129, 0.5897



3.7706, 0.3210, 0.5833

Inverse Universe

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



64.8720, 0.3029, 0.2690



58.9035, 0.3003, 0.2556



67.2155, 0.3240, 0.2821



18.0223, 0.3092, 0.3052



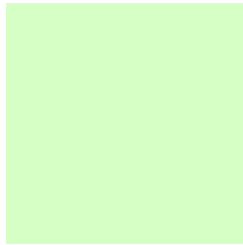
9.0238, 0.2490, 0.1145



0.9343, 0.2574, 0.1192

Previews

White Background



This preview shows how the Yxy color 89.6517, 0.3202, 0.3924 looks on a white background.

Color Contrast Check

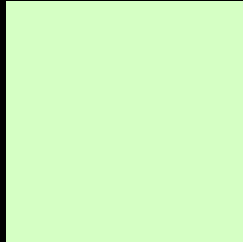
Large Text (above 18pt) WCAG AA × Fail

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 89.6517, 0.3202, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

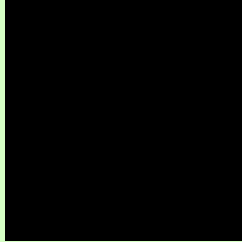
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

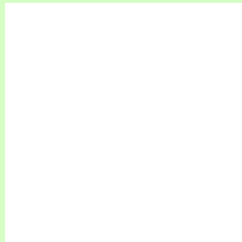
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6517, 0.3202, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 89.6517, 0.3202, 0.3924.

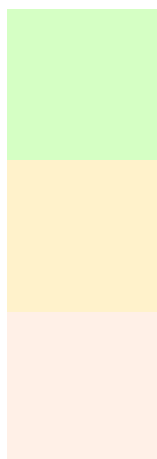


This preview shows how white text looks on a background with the Yxy color 89.6517, 0.3202, 0.3924.

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

89.6517, 0.3202, 0.3924

Protanopia

89.0761, 0.3460, 0.3679

Deuteranopia

89.3497, 0.3283, 0.3379



Tritanopia

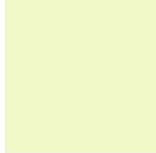
89.2450, 0.2993, 0.3180

Trichromacy



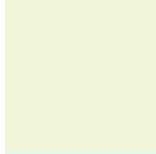
Original Color

89.6517, 0.3202, 0.3924



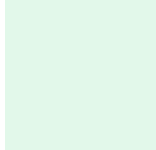
Protanomaly

89.2169, 0.3367, 0.3772



Deuteranomaly

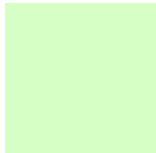
88.8920, 0.3258, 0.3565



Tritanomaly

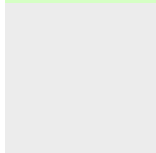
89.2441, 0.3070, 0.3434

Monochromacy



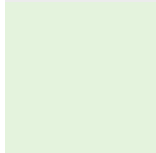
Original Color

89.6517, 0.3202, 0.3924



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8156, 0.3162, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6517, 0.3202, 0.3924 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(213, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 196)  
}
```

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(213, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 89.6517, 0.3202, 0.3924 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(213, 255, 196) }
```

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

```
.border{ border-color:rgb(213, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6517, 0.3202, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 196) }
```

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

```
.background{ background-color: rgb(213,  
255, 196) }
```

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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