

Converting Colors

$Yxy(88.6011, 0.3007, 0.3718)$

Have a look what the booklet for
Yxy(88.6011, 0.3007, 0.3718)
contains.

Yxy(88.6200, 0.3005, 0.3714)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(88.6200, 0.3005, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFD8
RGB	199, 255, 216
RGB Percent	78%, 100%, 85%
CMY	0.2197, 0.0000, 0.1530
CMYK	0.22, 0.00, 0.15, 0.00
HSL	138°, 100%, 89%
HSV	138°, 22%, 100%
XYZ	71.7025, 88.6200, 78.2882
YIQ	233.8100, -20.8570, -24.0010

Conversions

Conversions Part 2

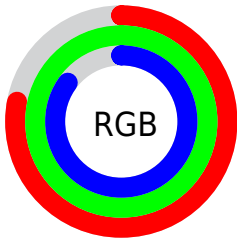
Format	Color
RYB	199, 242, 255
Decimal	13107160
CIELab	95.42, -25.10, 12.93
CIElCh	95, 28.235, 152.742
Yxy	88.6200, 0.3005, 0.3714
Android (android.graphics.Color)	4291297240 (0xFFC7FFD8)
YUV	233.8100, -8.7803, -30.5284
Hunter-Lab	94.1382, -28.7832, 16.5894

Details

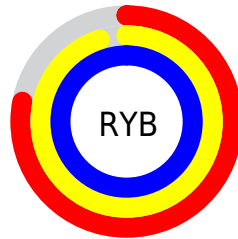
The Yxy color **88.6200, 0.3005, 0.3714** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.2684, 0.3276, 0.2901**, and the grayscale version is **82.2012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8907, 0.2975, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **84.5472, 0.2953, 0.3943**, and if you desaturate by 10%, it is **93.3698, 0.3060, 0.3507**.

Distribution



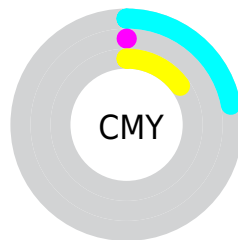
- Red (78%)
- Green (100%)
- Blue (85%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6200, 0.3005, 0.3714 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 88.6200, 0.3005, 0.3714 by changing the saturation by 10% instead.


 88.6200, 0.3005,
0.3714

 88.6200, 0.3005,
0.3714


523.5315, 0.3063,
0.3519

 66.8367, 0.2992,
0.3758

145.4200, 0.3025,
0.3646

 48.9519, 0.2975,
0.3813


181.2055, 0.3033,
0.3620

 34.5813, 0.2954,
0.3883


222.4271, 0.3040,
0.3597

 23.3405, 0.2926,
0.3973

269.4693, 0.3045,
0.3577

 14.8452, 0.2887,
0.4096

322.7164, 0.3050,
0.3560

 8.7108, 0.2831,
0.4271

382.5529, 0.3055,

 4.5530, 0.2741,

0.3545

0.4543

449.3631, 0.3059,
0.3531

1.9875, 0.2577,
0.5014

0.6002, 0.0000,
1.0000

88.6200, 0.3005,
0.3714

88.6200, 0.3005,
0.3714

84.5472, 0.2953,
0.3943

93.3698, 0.3060,
0.3507

81.1291, 0.2907,
0.4192

98.8367, 0.3116,
0.3324

78.3274, 0.2870,
0.4457

100.0000, 0.3127,
0.3290

76.1039, 0.2845,
0.4728

■ 74.4160, 0.2836,
0.4996

■ 73.2147, 0.2843,
0.5247

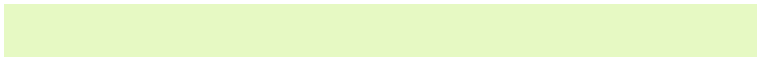
■ 72.4416, 0.2867,
0.5469

■ 72.0624, 0.2894,
0.5619

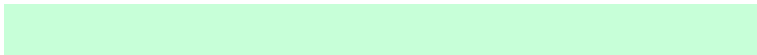
Harmonies

Analogous

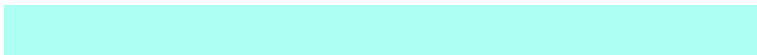
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6200, 0.3324, 0.3853



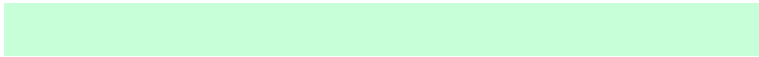
88.6200, 0.3005, 0.3714



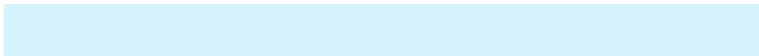
88.6200, 0.2729, 0.3443

Triad

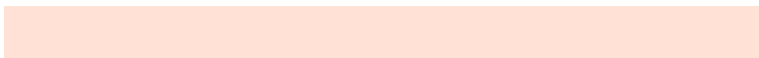
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6200, 0.3005, 0.3714



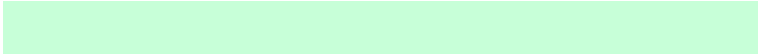
88.6200, 0.2662, 0.2777



88.6200, 0.3727, 0.3392

Complementary

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



88.6200, 0.3005, 0.3714



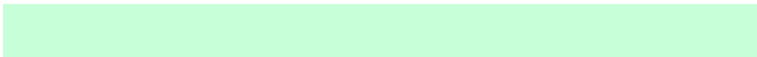
68.2684, 0.3276, 0.2901

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.



88.6200, 0.3531, 0.3131



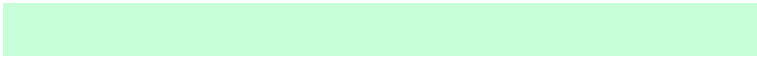
88.6200, 0.3005, 0.3714



88.6200, 0.2909, 0.2787

Square

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



88.6200, 0.3005, 0.3714



88.6200, 0.2539, 0.2899



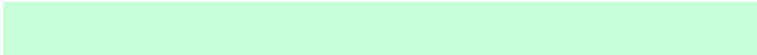
88.6200, 0.3227, 0.2914



88.6200, 0.3750, 0.3643

Rectangle

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



88.6200, 0.3005, 0.3714



88.6200, 0.2603, 0.3237



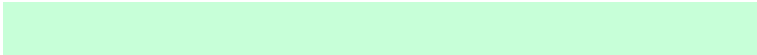
88.6200, 0.3227, 0.2914



88.6200, 0.3679, 0.3303

Sweetspot

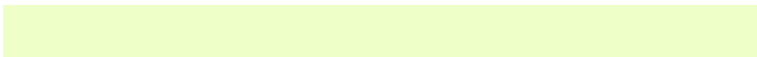
The Sweet Spot groups the original color and five complimentary colors.



88.6167, 0.3005, 0.3714



95.9956, 0.3088, 0.3413



93.8531, 0.3348, 0.3861



20.4767, 0.3085, 0.3424



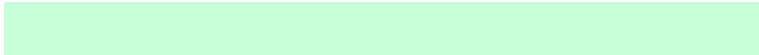
0.0000, 0.0000, 0.0000



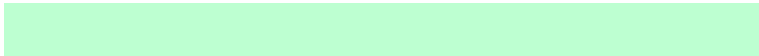
21.4041, 0.3127, 0.3290

Same Dimension

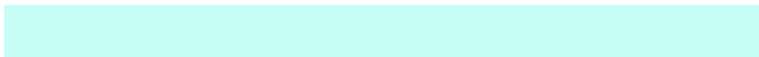
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6167, 0.3005, 0.3714



86.8961, 0.2984, 0.3804



90.1783, 0.2857, 0.3408



20.2590, 0.3074, 0.3460



37.6772, 0.2886, 0.5591



3.6869, 0.2824, 0.5368

Inverse Universe

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



68.2684, 0.3276, 0.2901



63.5163, 0.3309, 0.2827



66.7587, 0.3488, 0.3176



18.2008, 0.3185, 0.3126



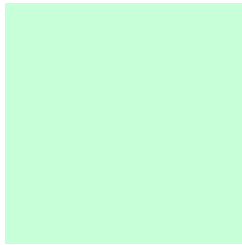
12.8064, 0.4163, 0.2067



1.2664, 0.4027, 0.1992

Previews

White Background



This preview shows how the Yxy color 88.6200, 0.3005, 0.3714 looks on a white background.

Color Contrast Check

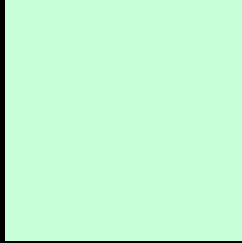
Large Text (above 18pt) WCAG AA × Fail

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 88.6200, 0.3005, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

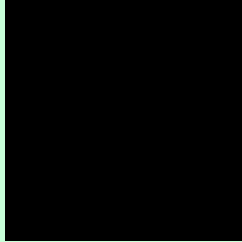
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

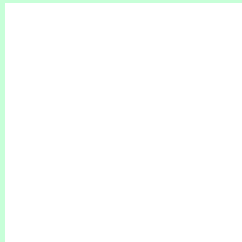
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6200, 0.3005, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 88.6200, 0.3005, 0.3714.

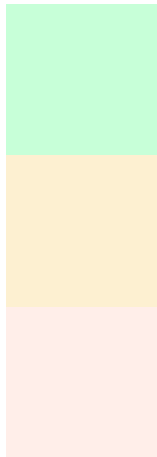


This preview shows how white text looks on a background with the Yxy color 88.6200, 0.3005, 0.3714.

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

88.6200, 0.3005, 0.3714

Protanopia

87.8063, 0.3411, 0.3601

Deuteranopia

88.2923, 0.3273, 0.3340



Tritanopia

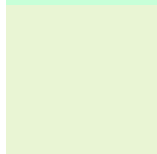
88.5324, 0.2944, 0.3188

Trichromacy



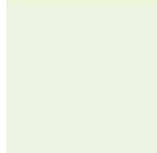
Original Color

88.6200, 0.3005, 0.3714



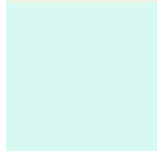
Protanomaly

87.3819, 0.3248, 0.3632



Deuteranomaly

87.9096, 0.3171, 0.3464



Tritanomaly

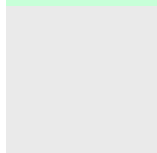
88.7012, 0.2969, 0.3373

Monochromacy



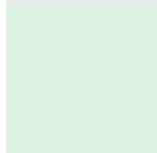
Original Color

88.6200, 0.3005, 0.3714



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4225, 0.3081, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6200, 0.3005, 0.3714 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(199, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 216)  
}
```

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(199, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 88.6200, 0.3005, 0.3714 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(199, 255, 216) }
```

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

```
.border{ border-color:rgb(199, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6200, 0.3005, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 216) }
```

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

```
.background{ background-color: rgb(199,  
255, 216) }
```

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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