

Converting Colors

$Yxy(98.0914, 0.2941, 0.3760)$

Have a look what the booklet for
Yxy(98.0914, 0.2941, 0.3760)
contains.

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Color

Yxy(88.6920, 0.2939, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFE1
RGB	196, 255, 225
RGB Percent	77%, 100%, 88%
CMY	0.2315, 0.0000, 0.1177
CMYK	0.23, 0.00, 0.12, 0.00
HSL	150°, 100%, 88%
HSV	150°, 23%, 100%
XYZ	72.1067, 88.6920, 84.5457
YIQ	233.9390, -25.5340, -21.8380

Conversions

Conversions Part 2

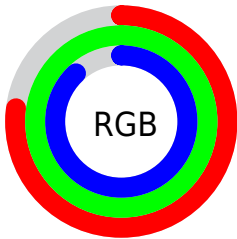
Format	Color
RYB	196, 236, 255
Decimal	12910561
CIELab	95.45, -24.38, 8.33
CIELCh	95, 25.761, 161.130
Yxy	88.6920, 0.2939, 0.3615
Android (android.graphics.Color)	4291100641 (0xFFC4FFE1)
YUV	233.9390, -4.4069, -33.2725
Hunter-Lab	94.1764, -28.1392, 12.6967

Details

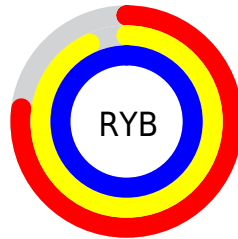
The Yxy color **88.6920, 0.2939, 0.3615** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.2121, 0.3369, 0.2987**, and the grayscale version is **82.2688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.9532, 0.2893, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **84.8726, 0.2865, 0.3781**, and if you desaturate by 10%, it is **93.1351, 0.3018, 0.3464**.

Distribution



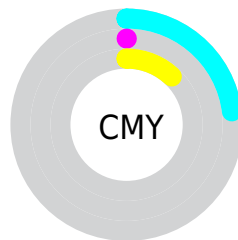
- Red (77%)
- Green (100%)
- Blue (88%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6920, 0.2939, 0.3615 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 88.6920, 0.2939, 0.3615 by changing the saturation by 10% instead.

 88.6920, 0.2939,
0.3615

 88.6920, 0.2939,
0.3615


523.7667, 0.3025,
0.3466

 66.8963, 0.2920,
0.3649


145.5202, 0.2969,
0.3564

 49.0004, 0.2896,
0.3690

181.3215, 0.2980,
0.3544

 34.6198, 0.2866,
0.3742


222.5601, 0.2990,
0.3526

 23.3701, 0.2828,
0.3810

269.6204, 0.2999,
0.3511

 14.8670, 0.2776,
0.3902

322.8868, 0.3006,
0.3498

 8.7261, 0.2702,
0.4032

382.7438, 0.3013,

 4.5630, 0.2591,

0.3486

0.4232

449.5756, 0.3019,
0.3476

1.9932, 0.2401,
0.4578

0.6035, 0.0000,
0.8900

88.6920, 0.2939,
0.3615

88.6920, 0.2939,
0.3615

84.8726, 0.2865,
0.3781

93.1351, 0.3018,
0.3464


81.6630, 0.2800,
0.3960


98.2469, 0.3101,
0.3329


79.0245, 0.2748,
0.4152


100.0000, 0.3127,
0.3290

76.9205, 0.2711,
0.4351

 75.3102, 0.2693,
0.4554

 74.1464, 0.2695,
0.4754

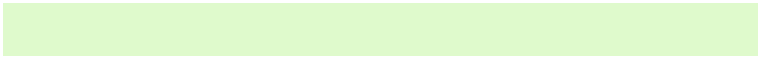
 73.3720, 0.2717,
0.4945

 73.0106, 0.2741,
0.5069

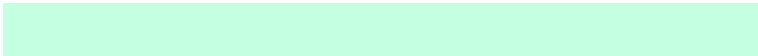
Harmonies

Analogous

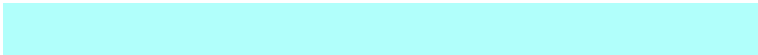
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6920, 0.3227, 0.3781



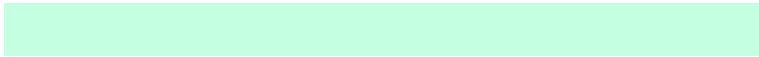
88.6920, 0.2939, 0.3615



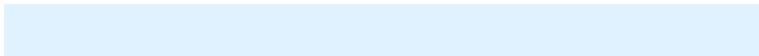
88.6920, 0.2709, 0.3351

Triad

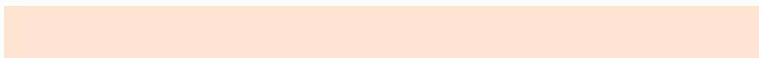
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6920, 0.2939, 0.3615



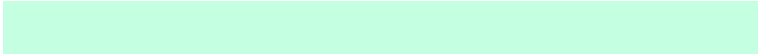
88.6920, 0.2755, 0.2811



88.6920, 0.3696, 0.3453

Complementary

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



88.6920, 0.2939, 0.3615



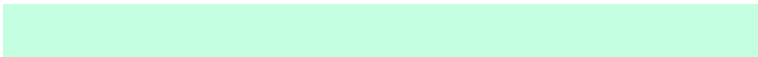
66.2121, 0.3369, 0.2987

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.



88.6920, 0.3559, 0.3210



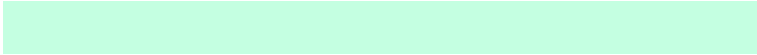
88.6920, 0.2939, 0.3615



88.6920, 0.3007, 0.2851

Square

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



88.6920, 0.2939, 0.3615



88.6920, 0.2607, 0.2890



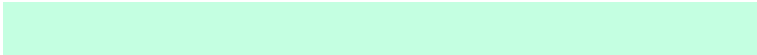
88.6920, 0.3302, 0.2995



88.6920, 0.3672, 0.3669

Rectangle

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



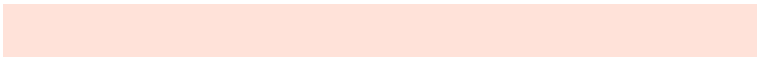
88.6920, 0.2939, 0.3615



88.6920, 0.2615, 0.3168



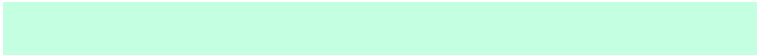
88.6920, 0.3302, 0.2995



88.6920, 0.3667, 0.3372

Sweetspot

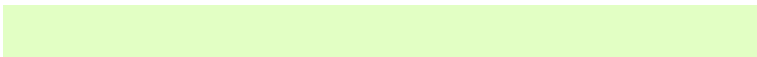
The Sweet Spot groups the original color and five complimentary colors.



88.6865, 0.2939, 0.3615



96.1997, 0.3069, 0.3380



91.7478, 0.3289, 0.3907



20.5239, 0.3064, 0.3388



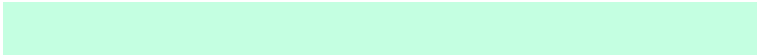
0.0000, 0.0000, 0.0000



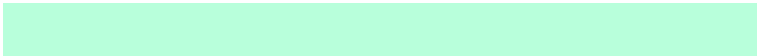
21.4041, 0.3127, 0.3290

Same Dimension

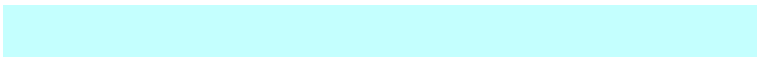
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6865, 0.2939, 0.3615



86.7601, 0.2902, 0.3693



90.4075, 0.2788, 0.3299



20.3171, 0.3048, 0.3413



38.1796, 0.2733, 0.5039



3.7394, 0.2675, 0.4829

Inverse Universe

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



66.2121, 0.3369, 0.2987



60.5366, 0.3435, 0.2920



64.7515, 0.3600, 0.3281



18.1412, 0.3214, 0.3170



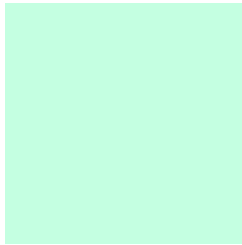
11.9758, 0.4929, 0.2489



1.1881, 0.4679, 0.2351

Previews

White Background



This preview shows how the Yxy color 88.6920, 0.2939, 0.3615 looks on a white background.

Color Contrast Check

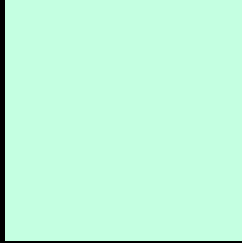
Large Text (above 18pt) WCAG AA × Fail

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 88.6920, 0.2939, 0.3615 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

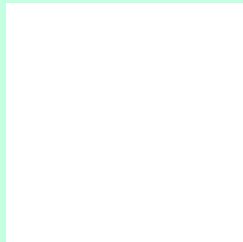
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6920, 0.2939, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 88.6920, 0.2939, 0.3615.

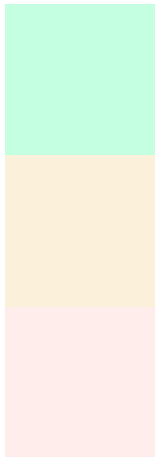


This preview shows how white text looks on a background with the Yxy color 88.6920, 0.2939, 0.3615.

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

88.6920, 0.2939, 0.3615

Protanopia

87.8392, 0.3345, 0.3520

Deuteranopia

87.8845, 0.3254, 0.3300



Tritanopia

88.3721, 0.2938, 0.3188

Trichromacy



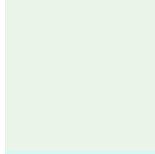
Original Color

88.6920, 0.2939, 0.3615



Protanomaly

87.4610, 0.3186, 0.3549



Deuteranomaly

88.0200, 0.3134, 0.3412



Tritanomaly

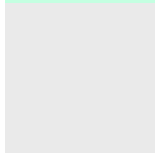
88.5792, 0.2940, 0.3341

Monochromacy



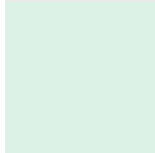
Original Color

88.6920, 0.2939, 0.3615



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4894, 0.3051, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6920, 0.2939, 0.3615 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(196, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 225)  
}
```

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(196, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 88.6920, 0.2939, 0.3615 is called "border". The border property can be set on classes, ids or directly on the HTML element.

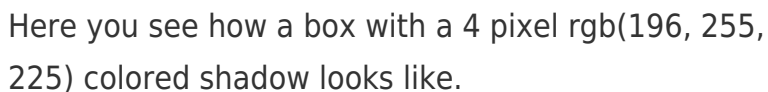
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 225) }
```

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

```
.border{ border-color:rgb(196, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6920, 0.2939, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 225) }
```

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

```
.background{ background-color: rgb(196,  
255, 225) }
```

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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