

Converting Colors

$Yxy(89.9109, 0.2807, 0.3353)$

Have a look what the booklet for
Yxy(89.9109, 0.2807, 0.3353)
contains.

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Color

Yxy(89.9617, 0.2809, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFF9
RGB	195, 255, 249
RGB Percent	76%, 100%, 98%
CMY	0.2351, 0.0000, 0.0237
CMYK	0.24, 0.00, 0.02, 0.00
HSL	174°, 100%, 88%
HSV	174°, 24%, 100%
XYZ	75.3661, 89.9617, 102.9744
YIQ	236.3760, -33.8340, -14.5860

Conversions

Conversions Part 2

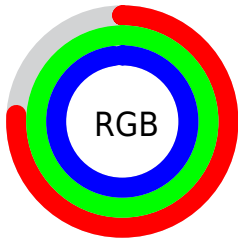
Format	Color
R_{YB}	195, 227, 255
Decimal	12845049
CIE _{Lab}	95.98, -19.89, -3.24
CIE _{LCh}	96, 20.151, 189.265
Yxy	89.9617, 0.2809, 0.3353
Android (android.graphics.Color)	4291035129 (0xFFC3FFF9)
YUV	236.3760, 6.2236, -36.2868
Hunter-Lab	94.8481, -24.1487, 2.0240

Details

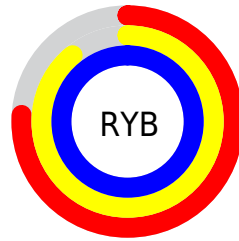
The Yxy color **89.9617, 0.2809, 0.3353** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5306, 0.3568, 0.3229**, and the grayscale version is **84.1600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **49.8139, 0.2739, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **86.6924, 0.2690, 0.3384**, and if you desaturate by 10%, it is **93.8186, 0.2939, 0.3325**.

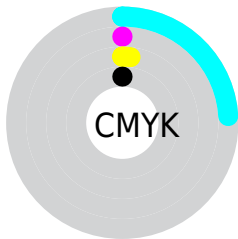
Distribution



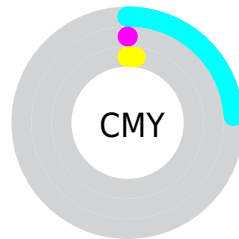
- Red (76%)
- Green (100%)
- Blue (98%)



- Red (76%)
- Yellow (89%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9617, 0.2809, 0.3353 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 89.9617, 0.2809, 0.3353 by changing the saturation by 10% instead.


 89.9617, 0.2809,
0.3353

 89.9617, 0.2809,
0.3353


527.9063, 0.2950,
0.3326

 67.9489, 0.2778,
0.3359

147.2852, 0.2857,
0.3344

 49.8561, 0.2741,
0.3365


183.3647, 0.2876,
0.3341

 35.2991, 0.2695,
0.3373


224.9018, 0.2892,
0.3337

 23.8934, 0.2636,
0.3383

272.2810, 0.2906,
0.3335

 15.2545, 0.2559,
0.3396

325.8866, 0.2919,
0.3332

 8.9982, 0.2454,
0.3412

386.1031, 0.2930,

 4.7400, 0.2302,

0.3330

0.3434

453.3149, 0.2941,
0.3328

■ 2.0955, 0.2062,
0.3462

■ 0.6621, 0.0820,
0.3776

■ 89.9617, 0.2809,
0.3353

■ 89.9617, 0.2809,
0.3353

■ 86.6924, 0.2690,
0.3384

■ 93.8186, 0.2939,
0.3325


■ 83.9732, 0.2586,
0.3416


■ 98.2825, 0.3077,
0.3299


■ 81.7747, 0.2498,
0.3450


■ 100.0000, 0.3127,
0.3290

■ 80.0616, 0.2429,
0.3484

 78.7941, 0.2379,
0.3519

 77.9261, 0.2349,
0.3554

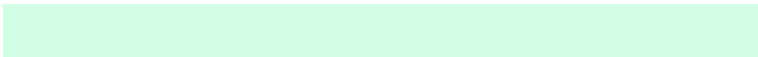
 77.4016, 0.2337,
0.3589

 77.1928, 0.2337,
0.3612

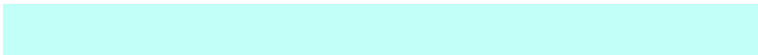
Harmonies

Analogous

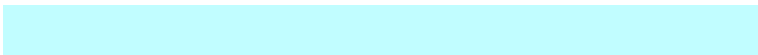
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9617, 0.2995, 0.3551



89.9617, 0.2809, 0.3353



89.9617, 0.2708, 0.3144

Triad

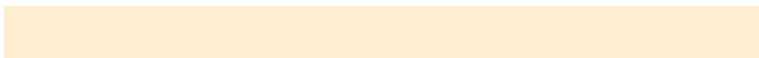
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9617, 0.2809, 0.3353



89.9617, 0.3021, 0.2939



89.9617, 0.3556, 0.3580

Complementary

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



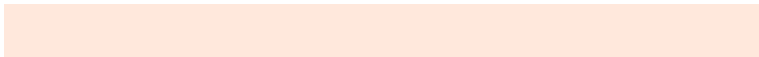
89.9617, 0.2809, 0.3353



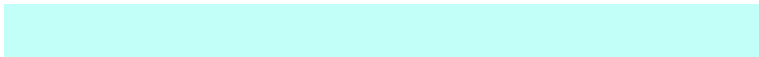
64.5306, 0.3568, 0.3229

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.



89.9617, 0.3566, 0.3410



89.9617, 0.2809, 0.3353



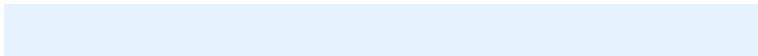
89.9617, 0.3250, 0.3049

Square

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



89.9617, 0.2809, 0.3353



89.9617, 0.2827, 0.2915



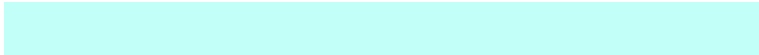
89.9617, 0.3452, 0.3218



89.9617, 0.3428, 0.3680

Rectangle

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



89.9617, 0.2809, 0.3353



89.9617, 0.2700, 0.3030



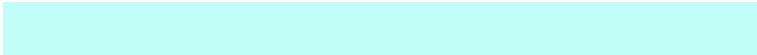
89.9617, 0.3452, 0.3218



89.9617, 0.3573, 0.3529

Sweetspot

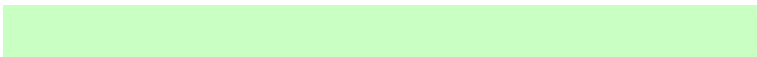
The Sweet Spot groups the original color and five complimentary colors.



89.9644, 0.2809, 0.3353



96.6549, 0.3028, 0.3307



88.0239, 0.3139, 0.3948



20.6295, 0.3020, 0.3309



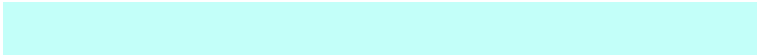
0.0000, 0.0000, 0.0000



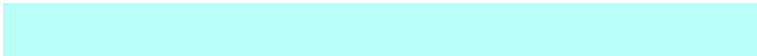
21.4041, 0.3127, 0.3290

Same Dimension

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



89.9644, 0.2809, 0.3353



88.4258, 0.2754, 0.3366



76.5502, 0.2758, 0.3041



20.4480, 0.2994, 0.3314



40.3478, 0.2335, 0.3606



3.9373, 0.2324, 0.3566

Inverse Universe

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



64.5306, 0.3568, 0.3229



59.1279, 0.3682, 0.3216



75.3585, 0.3564, 0.3526



18.0168, 0.3278, 0.3266



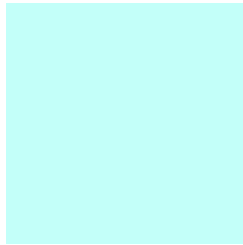
11.1568, 0.6287, 0.3237



1.0957, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 89.9617, 0.2809, 0.3353 looks on a white background.

Color Contrast Check

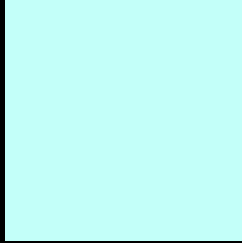
Large Text (above 18pt) WCAG AA × Fail

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 89.9617, 0.2809, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

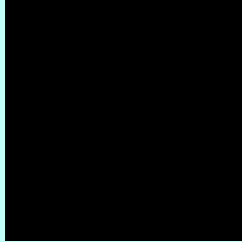
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9617, 0.2809, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 89.9617, 0.2809, 0.3353.

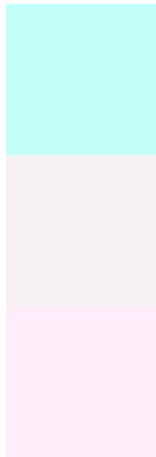


This preview shows how white text looks on a background with the Yxy color 89.9617, 0.2809, 0.3353.

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

89.9617, 0.2809, 0.3353

Protanopia

89.6293, 0.3166, 0.3300

Deuteranopia

89.2486, 0.3172, 0.3184



Tritanopia

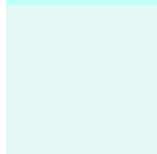
89.3003, 0.2950, 0.3199

Trichromacy



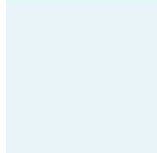
Original Color

89.9617, 0.2809, 0.3353



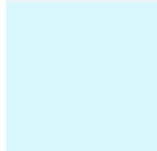
Protanomaly

89.5472, 0.3025, 0.3320



Deuteranomaly

88.8646, 0.3028, 0.3239



Tritanomaly

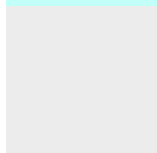
89.2903, 0.2897, 0.3248

Monochromacy



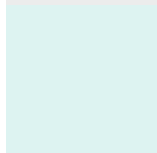
Original Color

89.9617, 0.2809, 0.3353



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8242, 0.2999, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9617, 0.2809, 0.3353 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(195, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 249)  
}
```

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(195, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 89.9617, 0.2809, 0.3353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

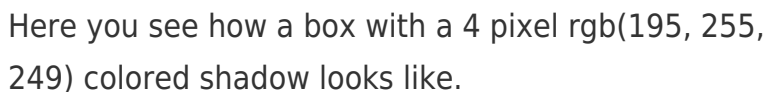
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 255, 249) }
```

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

```
.border{ border-color:rgb(195, 255, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 255, 249); box-shadow:4px 4px 4px 4px rgb(195, 255, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9617, 0.2809, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 249) }
```

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

```
.background{ background-color: rgb(195,  
255, 249) }
```

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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