

Converting Colors

$Yxy(90.0078, 0.2874, 0.3414)$

Have a look what the booklet for
Yxy(90.0078, 0.2874, 0.3414)
contains.

Yxy(89.7722, 0.2872, 0.3405)	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(89.7722, 0.2872, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	C9FEF3
RGB	201, 254, 243
RGB Percent	79%, 100%, 95%
CMY	0.2116, 0.0040, 0.0469
CMYK	0.21, 0.00, 0.04, 0.00
HSL	168°, 96%, 89%
HSV	168°, 21%, 100%
XYZ	75.7198, 89.7722, 98.1562
YIQ	236.8990, -28.0570, -14.6570

Conversions

Conversions Part 2

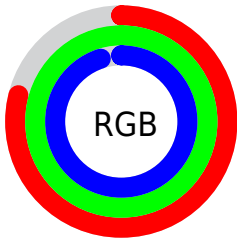
Format	Color
R_{YB}	201, 231, 254
Decimal	13238003
CIE _{Lab}	95.90, -18.83, -0.27
CIE _{LCh}	96, 18.828, 180.819
Yxy	89.7722, 0.2872, 0.3405
Android (android.graphics.Color)	4291428083 (0xFFC9FEF3)
YUV	236.8990, 3.0078, -31.4834
Hunter-Lab	94.7482, -23.1578, 4.9011

Details

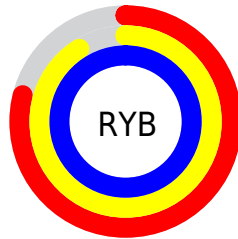
The Yxy color **89.7722, 0.2872, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6187, 0.3462, 0.3179**, and the grayscale version is **84.6091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6314, 0.2816, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **86.2278, 0.2762, 0.3468**, and if you desaturate by 10%, it is **93.9152, 0.2991, 0.3347**.

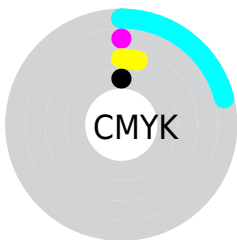
Distribution



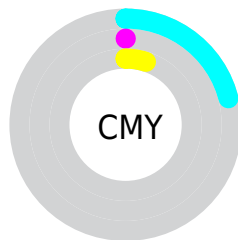
- Red (79%)
- Green (100%)
- Blue (95%)



- Red (79%)
- Yellow (91%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7722, 0.2872, 0.3405 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 89.7722, 0.2872, 0.3405 by changing the saturation by 10% instead.

 89.7722, 0.2872,
0.3405

 89.7722, 0.2872,
0.3405


527.2896, 0.2985,
0.3354

 67.7917, 0.2847,
0.3416


147.0219, 0.2911,
0.3388

 49.7283, 0.2817,
0.3430


183.0600, 0.2926,
0.3381

 35.1976, 0.2779,
0.3447


224.5527, 0.2939,
0.3375

 23.8151, 0.2731,
0.3468

271.8844, 0.2951,
0.3370

 15.1965, 0.2668,
0.3496

325.4395, 0.2961,
0.3365

 8.9574, 0.2581,
0.3535

385.6025, 0.2970,

 4.7134, 0.2454,

0.3361

452.7577, 0.2978,
0.3357

0.3592

2.0801, 0.2250,
0.3682

0.6534, 0.1045,
0.4229

89.7722, 0.2872,
0.3405

89.7722, 0.2872,
0.3405

86.2278, 0.2762,
0.3468

93.9152, 0.2991,
0.3347


83.2421, 0.2663,
0.3536


98.6722, 0.3116,
0.3294


80.7879, 0.2580,
0.3607


99.3587, 0.3128,
0.3280

78.8310, 0.2513,
0.3681

 77.3332, 0.2466,
0.3757

 76.2509, 0.2439,
0.3834

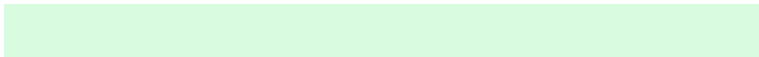
 75.5314, 0.2432,
0.3911

 75.1156, 0.2439,
0.3980

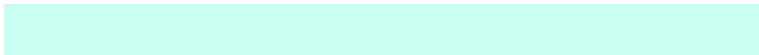
Harmonies

Analogous

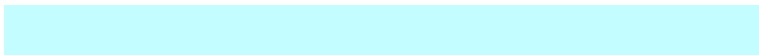
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7722, 0.3062, 0.3575



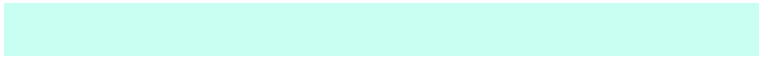
89.7722, 0.2872, 0.3405



89.7722, 0.2751, 0.3207

Triad

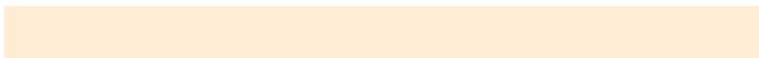
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7722, 0.2872, 0.3405



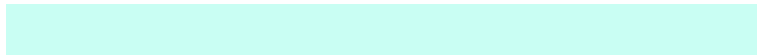
89.7722, 0.2971, 0.2946



89.7722, 0.3542, 0.3522

Complementary

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



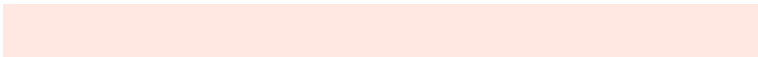
89.7722, 0.2872, 0.3405



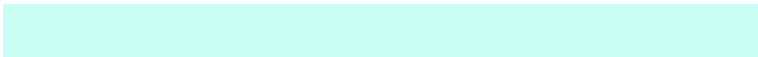
67.6187, 0.3462, 0.3179

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.



89.7722, 0.3518, 0.3353



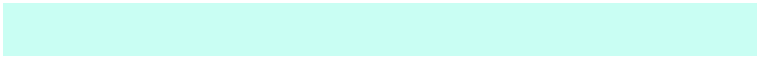
89.7722, 0.2872, 0.3405



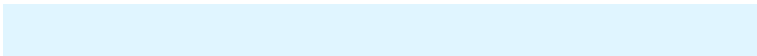
89.7722, 0.3182, 0.3028

Square

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



89.7722, 0.2872, 0.3405



89.7722, 0.2807, 0.2948



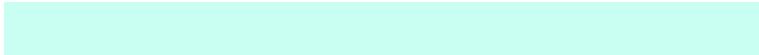
89.7722, 0.3384, 0.3174



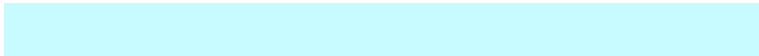
89.7722, 0.3452, 0.3638

Rectangle

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



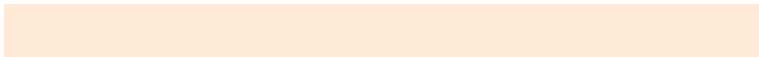
89.7722, 0.2872, 0.3405



89.7722, 0.2724, 0.3089



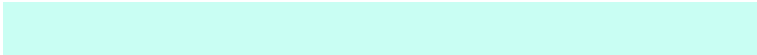
89.7722, 0.3384, 0.3174



89.7722, 0.3547, 0.3469

Sweetspot

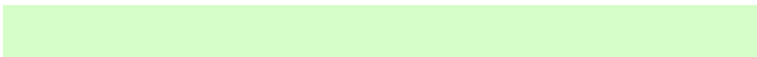
The Sweet Spot groups the original color and five complimentary colors.



89.7759, 0.2872, 0.3405



97.0105, 0.3051, 0.3321



89.1723, 0.3171, 0.3859



20.6976, 0.3043, 0.3324



0.0000, 0.0000, 0.0000



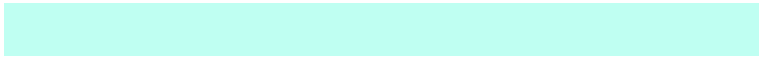
21.4041, 0.3127, 0.3290

Same Dimension

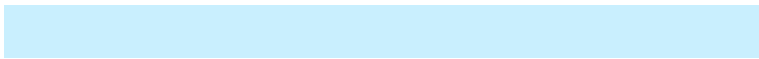
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7759, 0.2872, 0.3405



89.0279, 0.2825, 0.3431



81.3073, 0.2804, 0.3130



20.4133, 0.3008, 0.3340



39.6268, 0.2435, 0.3967



3.8738, 0.2411, 0.3881

Inverse Universe

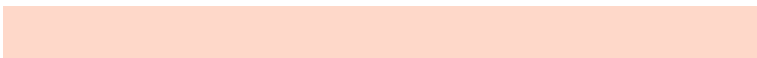
The Inverse Universe completely reimagines the original color for something new.



67.6187, 0.3462, 0.3179



63.0118, 0.3549, 0.3155



74.4253, 0.3517, 0.3445



18.0486, 0.3262, 0.3241



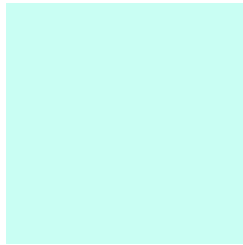
11.2592, 0.6061, 0.3113



1.1112, 0.5760, 0.2947

Previews

White Background



This preview shows how the Yxy color 89.7722, 0.2872, 0.3405 looks on a white background.

Color Contrast Check

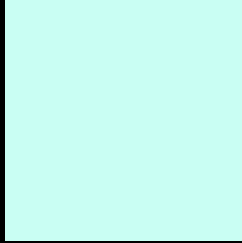
Large Text (above 18pt) WCAG AA × Fail

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 89.7722, 0.2872, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

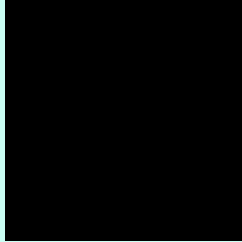
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

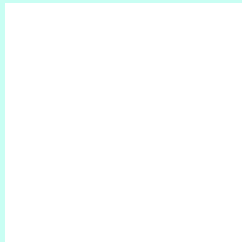
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7722, 0.2872, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 89.7722, 0.2872, 0.3405.

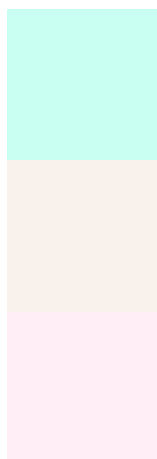


This preview shows how white text looks on a background with the Yxy color 89.7722, 0.2872, 0.3405.

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

89.7722, 0.2872, 0.3405

Protanopia

88.9232, 0.3204, 0.3340

Deuteranopia

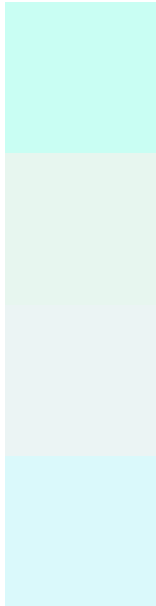
89.0016, 0.3197, 0.3222



Tritanopia

89.6255, 0.2963, 0.3199

Trichromacy



Original Color

89.7722, 0.2872, 0.3405

Protanomaly

89.1325, 0.3073, 0.3361

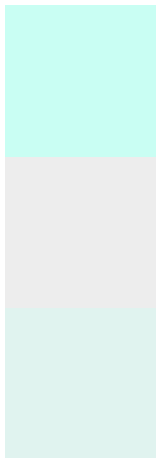
Deuteranomaly

88.8952, 0.3069, 0.3290

Tritanomaly

89.6218, 0.2925, 0.3269

Monochromacy



Original Color

89.7722, 0.2872, 0.3405

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

86.1805, 0.3029, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7722, 0.2872, 0.3405 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(201, 254, 243)` looks like.

```
.text, #text, p{  
    color:rgb(201, 254, 243)  
}
```

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(201, 254, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 254, 243) }
```

Border

The CSS property to change the border of an element to Yxy 89.7722, 0.2872, 0.3405 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(201, 254, 243) }
```

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

```
.border{ border-color:rgb(201, 254, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 254, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 254, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 254, 243);  
box-shadow:4px 4px 4px 4px rgb(201, 254,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7722, 0.2872, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 254, 243) }
```

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

```
.background{ background-color: rgb(201,  
254, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor