

Converting Colors

$Yxy(89.0307, 0.2822, 0.3426)$

Have a look what the booklet for
Yxy(89.0307, 0.2822, 0.3426)
contains.

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Color

Yxy(89.0072, 0.2823, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFF2
RGB	191, 255, 242
RGB Percent	75%, 100%, 95%
CMY	0.2508, 0.0000, 0.0511
CMYK	0.25, 0.00, 0.05, 0.00
HSL	168°, 100%, 87%
HSV	168°, 25%, 100%
XYZ	73.2771, 89.0072, 97.2875
YIQ	234.3820, -33.9710, -17.6110

Conversions

Conversions Part 2

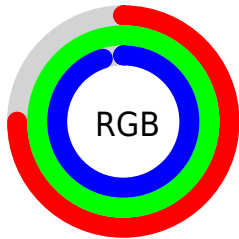
Format	Color
R _Y B	191, 227, 255
Decimal	12582898
CIE Lab	95.58, -22.49, -0.25
CIE LCh	96, 22.492, 180.629
Yxy	89.0072, 0.2823, 0.3429
Android (android.graphics.Color)	4290772978 (0xFFBFFF2)
YUV	234.3820, 3.7557, -38.0460
Hunter-Lab	94.3436, -26.4595, 4.9004

Details

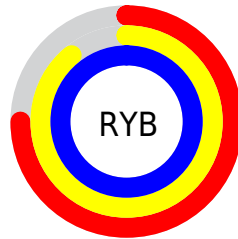
The Yxy color **89.0072, 0.2823, 0.3429** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.9091, 0.3552, 0.3157**, and the grayscale version is **82.5821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **49.1676, 0.2756, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **85.6783, 0.2717, 0.3493**, and if you desaturate by 10%, it is **92.9278, 0.2939, 0.3370**.

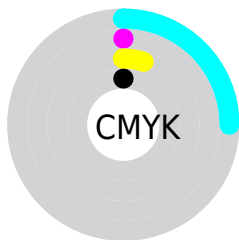
Distribution



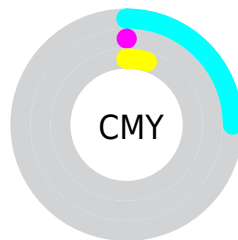
- Red (75%)
- Green (100%)
- Blue (95%)



- Red (75%)
- Yellow (89%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0072, 0.2823, 0.3429 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 89.0072, 0.2823, 0.3429 by changing the saturation by 10% instead.


 89.0072, 0.2823,
0.3429

 89.0072, 0.2823,
0.3429


524.7960, 0.2958,
0.3367

 67.1575, 0.2793,
0.3443


 145.9586, 0.2869,
0.3408

 49.2126, 0.2757,
0.3459


181.8291, 0.2887,
0.3400

 34.7882, 0.2712,
0.3479


223.1419, 0.2903,
0.3393

 23.4998, 0.2655,
0.3505

270.2816, 0.2917,
0.3386

 14.9630, 0.2580,
0.3540

323.6324, 0.2929,
0.3381

 8.7934, 0.2476,
0.3587

383.5789, 0.2940,

 4.6067, 0.2324,

0.3376

0.3655

450.5053, 0.2950,
0.3371

■ 2.0184, 0.2081,
0.3764

■ 0.6181, 0.0286,
0.4589

■ 89.0072, 0.2823,
0.3429

■ 89.0072, 0.2823,
0.3429

■ 85.6783, 0.2717,
0.3493

■ 92.9278, 0.2939,
0.3370

■ 82.9004, 0.2624,
0.3561

■ 97.4570, 0.3063,
0.3316

■ 80.6445, 0.2547,
0.3633

99.9992, 0.3127,
0.3290

■ 78.8745, 0.2489,
0.3707

■ 77.5499, 0.2450,
0.3782

■ 76.6232, 0.2431,
0.3858

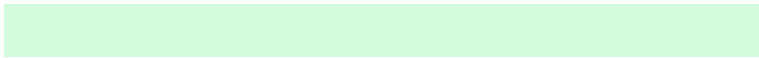
■ 76.0360, 0.2431,
0.3933

■ 75.8307, 0.2436,
0.3969

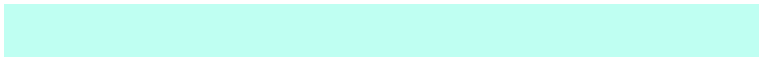
Harmonies

Analogous

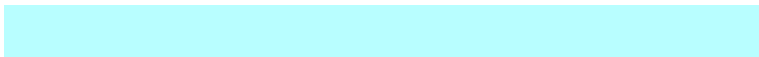
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0072, 0.3050, 0.3635



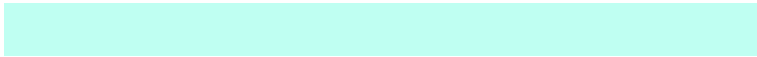
89.0072, 0.2823, 0.3429



89.0072, 0.2680, 0.3189

Triad

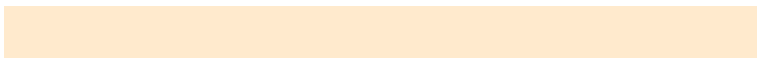
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0072, 0.2823, 0.3429



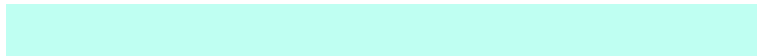
89.0072, 0.2938, 0.2880



89.0072, 0.3626, 0.3564

Complementary

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



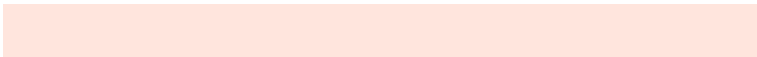
89.0072, 0.2823, 0.3429



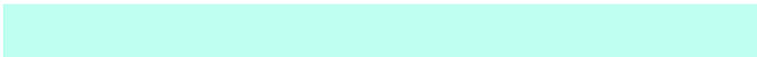
62.9091, 0.3552, 0.3157

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.



89.0072, 0.3596, 0.3361



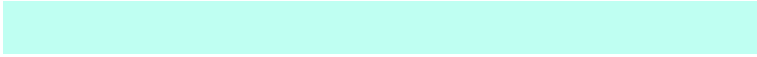
89.0072, 0.2823, 0.3429



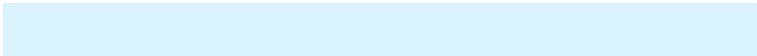
89.0072, 0.3190, 0.2977

Square

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



89.0072, 0.2823, 0.3429



89.0072, 0.2744, 0.2883



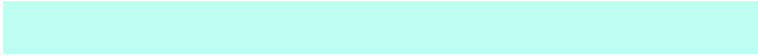
89.0072, 0.3434, 0.3150



89.0072, 0.3516, 0.3705

Rectangle

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



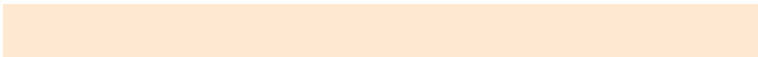
89.0072, 0.2823, 0.3429



89.0072, 0.2648, 0.3049



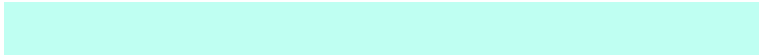
89.0072, 0.3434, 0.3150



89.0072, 0.3632, 0.3500

Sweetspot

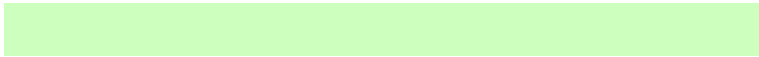
The Sweet Spot groups the original color and five complimentary colors.



89.0108, 0.2823, 0.3429



96.0691, 0.3026, 0.3331



88.2493, 0.3179, 0.3989



20.4142, 0.3007, 0.3339



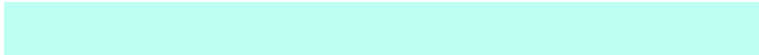
0.0000, 0.0000, 0.0000



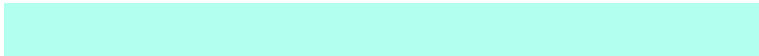
21.4041, 0.3127, 0.3290

Same Dimension

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



89.0108, 0.2823, 0.3429



87.2998, 0.2769, 0.3460



78.8028, 0.2740, 0.3093



20.4142, 0.3007, 0.3339



39.6458, 0.2432, 0.3957



3.8755, 0.2409, 0.3871

Inverse Universe

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



62.9091, 0.3552, 0.3157



57.1997, 0.3665, 0.3129



70.7089, 0.3615, 0.3478



18.0477, 0.3262, 0.3242



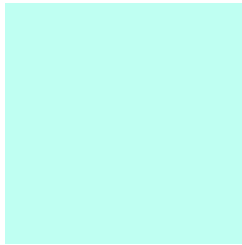
11.2553, 0.6069, 0.3117



1.1107, 0.5770, 0.2952

Previews

White Background



This preview shows how the Yxy color 89.0072, 0.2823, 0.3429 looks on a white background.

Color Contrast Check

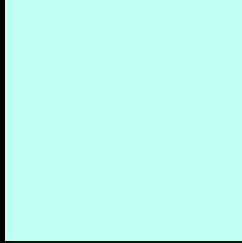
Large Text (above 18pt) WCAG AA × Fail

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 89.0072, 0.2823, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

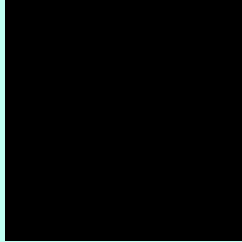
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.0072, 0.2823, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 89.0072, 0.2823, 0.3429.

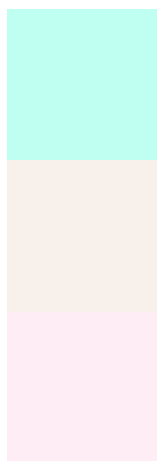


This preview shows how white text looks on a background with the Yxy color 89.0072, 0.2823, 0.3429.

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

89.0072, 0.2823, 0.3429

Protanopia

88.2171, 0.3217, 0.3350

Deuteranopia

88.4209, 0.3197, 0.3212



Tritanopia

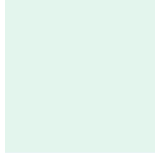
88.8195, 0.2932, 0.3198

Trichromacy



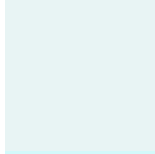
Original Color

89.0072, 0.2823, 0.3429



Protanomaly

87.7501, 0.3059, 0.3372



Deuteranomaly

88.3888, 0.3050, 0.3290



Tritanomaly

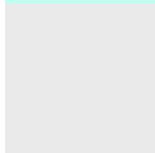
88.5024, 0.2890, 0.3279

Monochromacy



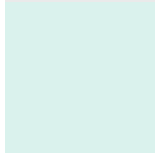
Original Color

89.0072, 0.2823, 0.3429



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5241, 0.3003, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0072, 0.2823, 0.3429 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(191, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 242)  
}
```

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(191, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 89.0072, 0.2823, 0.3429 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(191, 255, 242) }
```

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

```
.border{ border-color:rgb(191, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0072, 0.2823, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 242) }
```

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

```
.background{ background-color: rgb(191,  
255, 242) }
```

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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