

# Converting Colors

Yxy(88.9371, 0.2819, 0.3427)

Have a look what the booklet for  
Yxy(88.9371, 0.2819, 0.3427)  
contains.

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# Color

**Yxy(88.8780, 0.2817, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEFFF2
RGB	190, 255, 242
RGB Percent	75%, 100%, 95%
CMY	0.2550, 0.0000, 0.0510
CMYK	0.26, 0.00, 0.05, 0.00
HSL	168°, 100%, 87%
HSV	168°, 26%, 100%
XYZ	73.0153, 88.8780, 97.3018
YIQ	234.0830, -34.5670, -17.8230

# Conversions

## Conversions Part 2

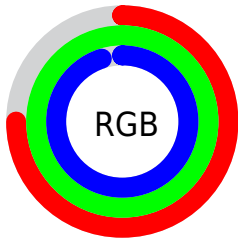
Format	Color
R <sub>Y</sub> B	190, 226, 255
Decimal	12517362
CIE Lab	95.53, -22.80, -0.35
CIE LCh	96, 22.807, 180.878
Yxy	88.8780, 0.2817, 0.3429
Android (android.graphics.Color)	4290707442 (0xFFBEFF2)
YUV	234.0830, 3.9031, -38.6608
Hunter-Lab	94.2751, -26.7348, 4.7991

# Details

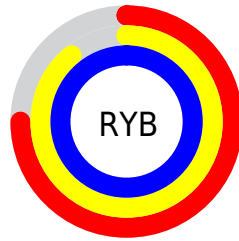
The Yxy color **88.8780, 0.2817, 0.3429** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3861, 0.3563, 0.3157**, and the grayscale version is **82.3269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **49.0842, 0.2750, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **85.5708, 0.2711, 0.3492**, and if you desaturate by 10%, it is **92.7598, 0.2933, 0.3371**.

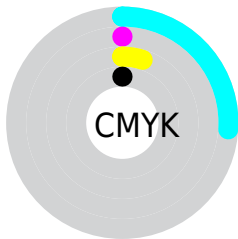
# Distribution



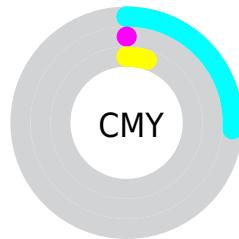
- Red (75%)
- Green (100%)
- Blue (95%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8780, 0.2817, 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 88.8780, 0.2817, 0.3429 by changing the saturation by 10% instead.




 88.8780, 0.2817,  
0.3429

 88.8780, 0.2817,  
0.3429


524.3742, 0.2955,  
0.3367

 67.0504, 0.2787,  
0.3443


 145.7789, 0.2864,  
0.3408

 49.1256, 0.2750,  
0.3459


181.6210, 0.2882,  
0.3400

 34.7191, 0.2704,  
0.3479


222.9035, 0.2898,  
0.3393

 23.4466, 0.2646,  
0.3505

270.0106, 0.2913,  
0.3386

 14.9236, 0.2569,  
0.3539

323.3269, 0.2925,  
0.3381

 8.7658, 0.2463,  
0.3586

383.2367, 0.2936,

 4.5887, 0.2308,

0.3376

0.3654

450.1243, 0.2946,  
0.3371

■ 2.0080, 0.2061,  
0.3763

■ 0.6121, 0.0189,  
0.4609

■ 88.8780, 0.2817,  
0.3429

■ 88.8780, 0.2817,  
0.3429

■ 85.5708, 0.2711,  
0.3492

■ 92.7598, 0.2933,  
0.3371

■ 82.8207, 0.2619,  
0.3559


■ 97.2565, 0.3057,  
0.3317

■ 80.5908, 0.2542,  
0.3629


100.0000, 0.3127,  
0.3290

■ 78.8449, 0.2484,  
0.3702

 77.5423, 0.2446,  
0.3775

 76.6350, 0.2427,  
0.3849

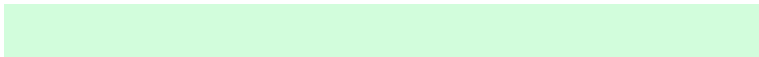
 76.0641, 0.2428,  
0.3923

 75.8788, 0.2432,  
0.3955

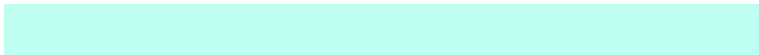
# Harmonies

## Analogous

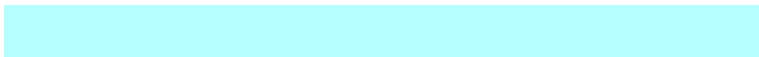
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8780, 0.3046, 0.3639



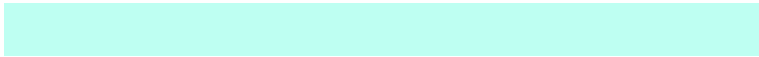
88.8780, 0.2817, 0.3429



88.8780, 0.2673, 0.3186

# Triad

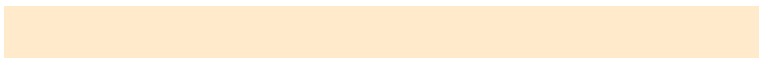
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8780, 0.2817, 0.3429



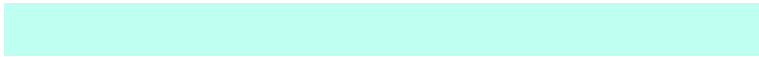
88.8780, 0.2937, 0.2875



88.8780, 0.3632, 0.3569

# Complementary

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



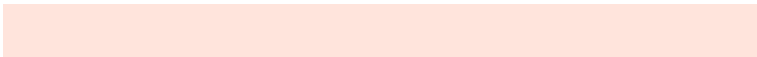
88.8780, 0.2817, 0.3429



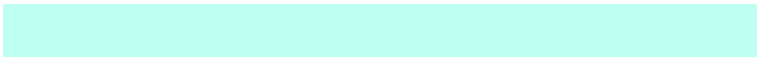
62.3861, 0.3563, 0.3157

# 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.



88.8780, 0.3603, 0.3363



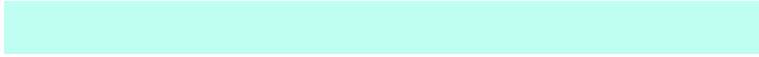
88.8780, 0.2817, 0.3429



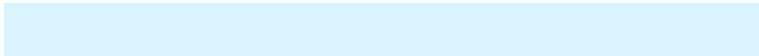
88.8780, 0.3193, 0.2974

# Square

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



88.8780, 0.2817, 0.3429



88.8780, 0.2740, 0.2876



88.8780, 0.3440, 0.3149

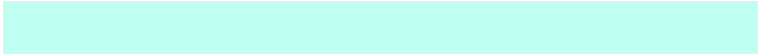


88.8780, 0.3520, 0.3712



# Rectangle

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



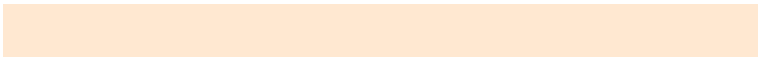
88.8780, 0.2817, 0.3429



88.8780, 0.2641, 0.3044



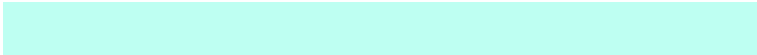
88.8780, 0.3440, 0.3149



88.8780, 0.3639, 0.3504

# Sweetspot

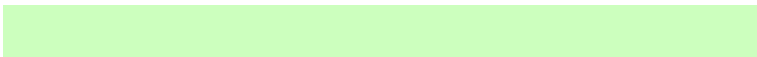
The Sweet Spot groups the original color and five complimentary colors.



88.8738, 0.2817, 0.3429



96.0741, 0.3026, 0.3330



88.0827, 0.3180, 0.4003



20.4155, 0.3007, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

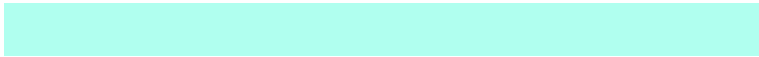


# Same Dimension

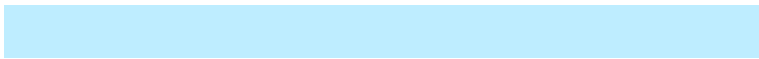
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8738, 0.2817, 0.3429



86.9872, 0.2757, 0.3463



78.4866, 0.2734, 0.3090



20.4155, 0.3007, 0.3338



39.6702, 0.2429, 0.3943



3.8776, 0.2405, 0.3860



# Inverse Universe

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



62.3861, 0.3563, 0.3157



56.0865, 0.3693, 0.3126



70.2822, 0.3625, 0.3481



18.0465, 0.3263, 0.3243



11.2505, 0.6080, 0.3123

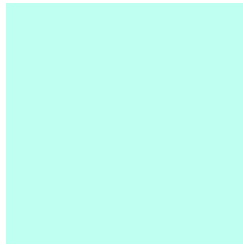


1.1101, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 88.8780, 0.2817, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

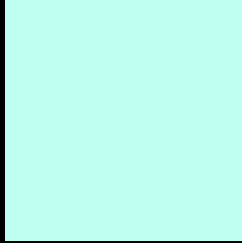
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8780, 0.2817, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

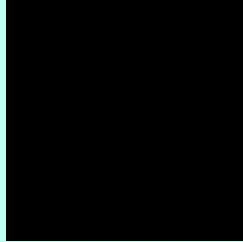
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.8780, 0.2817, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8780, 0.2817, 0.3429.

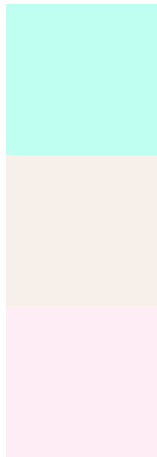


This preview shows how white text looks on a background with the Yxy color 88.8780, 0.2817, 0.3429.

# 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

88.8780, 0.2817, 0.3429

### Protanopia

88.0348, 0.3210, 0.3350

### Deuteranopia

88.4209, 0.3197, 0.3212



## Tritanopia

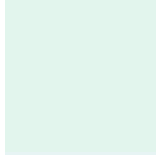
88.6611, 0.2926, 0.3198

# Trichromacy



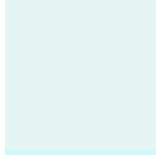
## Original Color

88.8780, 0.2817, 0.3429



## Protanomaly

87.5880, 0.3053, 0.3372



## Deuteranomaly

88.2219, 0.3044, 0.3290



## Tritanomaly

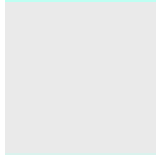
88.3551, 0.2884, 0.3279

# Monochromacy



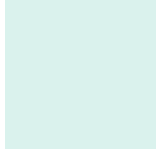
## Original Color

88.8780, 0.2817, 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 88.8780, 0.2817, 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(190, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8780, 0.2817, 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(190, 255, 242) }
```

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

```
.border{ border-color:rgb(190, 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(190, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8780, 0.2817, 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(190, 255, 242) }
```

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

```
.background{ background-color: rgb(190,  
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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