

Converting Colors

$Yxy(89.6608, 0.2856, 0.3437)$

Have a look what the booklet for
Yxy(89.6608, 0.2856, 0.3437)
contains.

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Color

Yxy(89.6066, 0.2855, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFF1
RGB	196, 255, 241
RGB Percent	77%, 100%, 95%
CMY	0.2312, 0.0000, 0.0548
CMYK	0.23, 0.00, 0.05, 0.00
HSL	166°, 100%, 88%
HSV	166°, 23%, 100%
XYZ	74.4115, 89.6066, 96.6177
YIQ	235.7630, -30.6700, -16.8620

Conversions

Conversions Part 2

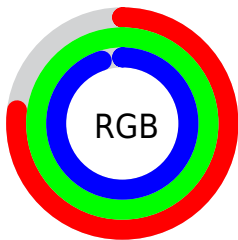
Format	Color
R_{YB}	196, 229, 255
Decimal	12910577
CIE Lab	95.83, -21.21, 0.63
CIE LCh	96, 21.223, 178.307
Yxy	89.6066, 0.2855, 0.3438
Android (android.graphics.Color)	4291100657 (0xFFC4FFF1)
YUV	235.7630, 2.5818, -34.8722
Hunter-Lab	94.6608, -25.3399, 5.7468

Details

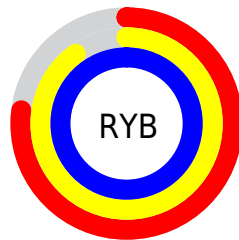
The Yxy color **89.6066, 0.2855, 0.3438** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4063, 0.3495, 0.3148**, and the grayscale version is **83.6955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **49.5537, 0.2796, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **86.1208, 0.2750, 0.3512**, and if you desaturate by 10%, it is **93.6929, 0.2969, 0.3370**.

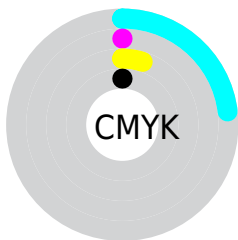
Distribution



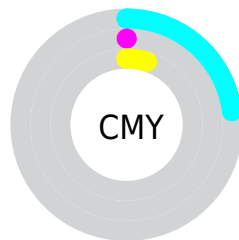
- Red (77%)
- Green (100%)
- Blue (95%)



- Red (77%)
- Yellow (90%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6066, 0.2855, 0.3438 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 89.6066, 0.2855, 0.3438 by changing the saturation by 10% instead.


 89.6066, 0.2855,
0.3438

 89.6066, 0.2855,
0.3438


526.7503, 0.2976,
0.3372

 67.6544, 0.2828,
0.3453

146.7918, 0.2896,
0.3416

 49.6166, 0.2796,
0.3470


182.7936, 0.2912,
0.3407

 35.1089, 0.2756,
0.3492


224.2475, 0.2927,
0.3399

 23.7468, 0.2704,
0.3520

271.5377, 0.2939,
0.3392

 15.1459, 0.2637,
0.3558

325.0487, 0.2950,
0.3386

 8.9218, 0.2543,
0.3609

385.1648, 0.2960,

 4.6902, 0.2406,

0.3381

0.3685

452.2706, 0.2968,
0.3376

■ 2.0667, 0.2187,
0.3808

■ 0.6458, 0.0685,
0.4609

■ 89.6066, 0.2855,
0.3438

■ 89.6066, 0.2855,
0.3438

■ 86.1208, 0.2750,
0.3512

■ 93.6929, 0.2969,
0.3370


■ 83.1948, 0.2658,
0.3591


■ 98.3960, 0.3089,
0.3308

■ 80.8005, 0.2581,
0.3674

■ 99.9974, 0.3127,
0.3290

■ 78.9024, 0.2521,
0.3761

 77.4609, 0.2481,
0.3849

 76.4301, 0.2461,
0.3939

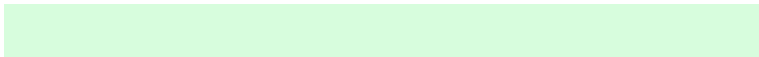
 75.7542, 0.2460,
0.4027

 75.4401, 0.2469,
0.4087

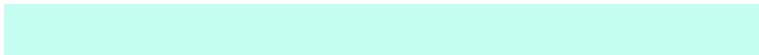
Harmonies

Analogous

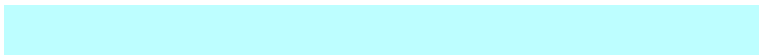
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6066, 0.3073, 0.3625



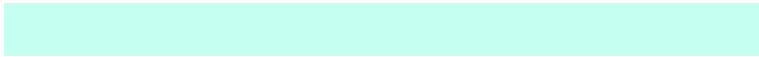
89.6066, 0.2855, 0.3438



89.6066, 0.2712, 0.3213

Triad

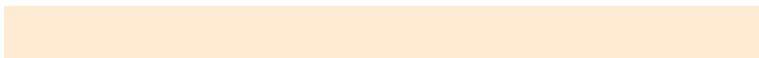
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6066, 0.2855, 0.3438



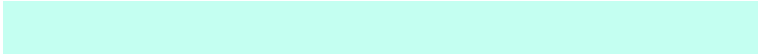
89.6066, 0.2933, 0.2900



89.6066, 0.3599, 0.3535

Complementary

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



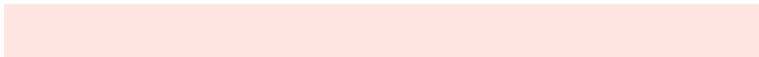
89.6066, 0.2855, 0.3438



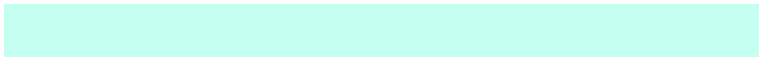
65.4063, 0.3495, 0.3148

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.



89.6066, 0.3560, 0.3342



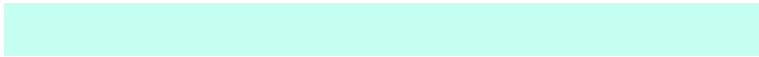
89.6066, 0.2855, 0.3438



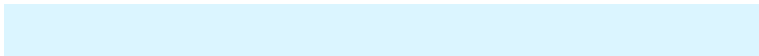
89.6066, 0.3168, 0.2985

Square

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



89.6066, 0.2855, 0.3438



89.6066, 0.2755, 0.2910



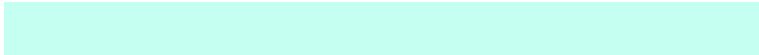
89.6066, 0.3400, 0.3144



89.6066, 0.3506, 0.3674

Rectangle

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



89.6066, 0.2855, 0.3438



89.6066, 0.2676, 0.3078



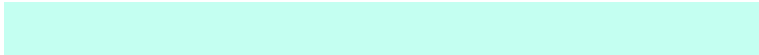
89.6066, 0.3400, 0.3144



89.6066, 0.3601, 0.3474

Sweetspot

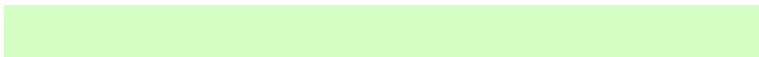
The Sweet Spot groups the original color and five complimentary colors.



89.6103, 0.2855, 0.3438



96.5011, 0.3042, 0.3331



89.3197, 0.3188, 0.3926



20.5938, 0.3034, 0.3335



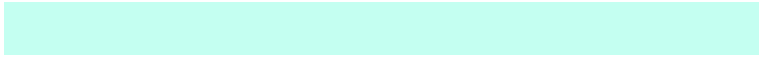
0.0000, 0.0000, 0.0000



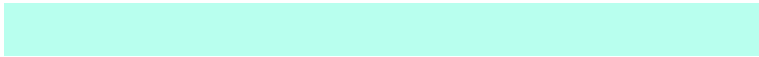
21.4041, 0.3127, 0.3290

Same Dimension

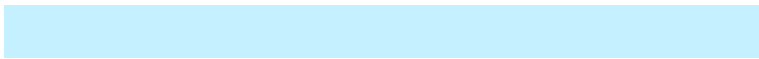
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6103, 0.2855, 0.3438



87.8395, 0.2803, 0.3473



81.4301, 0.2771, 0.3132



20.4036, 0.3012, 0.3347



39.4449, 0.2465, 0.4073



3.8575, 0.2437, 0.3972

Inverse Universe

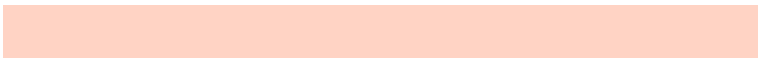
The Inverse Universe completely reimagines the original color for something new.



65.4063, 0.3495, 0.3148



59.5689, 0.3598, 0.3116



71.7219, 0.3573, 0.3443



18.0576, 0.3257, 0.3234



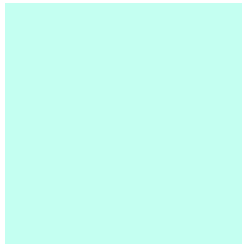
11.3005, 0.5976, 0.3066



1.1164, 0.5665, 0.2894

Previews

White Background



This preview shows how the Yxy color 89.6066, 0.2855, 0.3438 looks on a white background.

Color Contrast Check

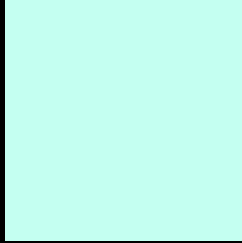
Large Text (above 18pt) WCAG AA × Fail

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 89.6066, 0.2855, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

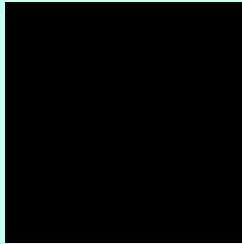
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

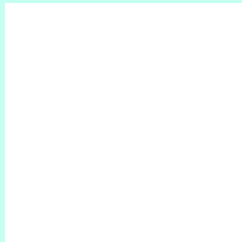
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6066, 0.2855, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 89.6066, 0.2855, 0.3438.

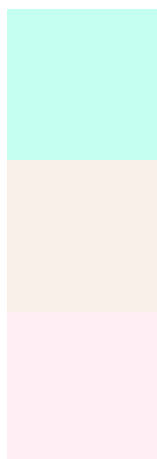


This preview shows how white text looks on a background with the Yxy color 89.6066, 0.2855, 0.3438.

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

89.6066, 0.2855, 0.3438

Protanopia

88.9335, 0.3229, 0.3370

Deuteranopia

88.9407, 0.3203, 0.3232



Tritanopia

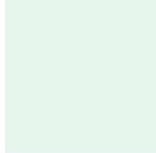
89.3003, 0.2950, 0.3199

Trichromacy



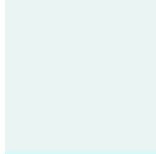
Original Color

89.6066, 0.2855, 0.3438



Protanomaly

88.7907, 0.3084, 0.3392



Deuteranomaly

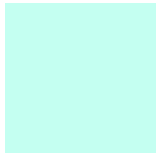
88.6649, 0.3069, 0.3300



Tritanomaly

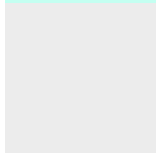
89.1006, 0.2913, 0.3279

Monochromacy



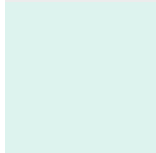
Original Color

89.6066, 0.2855, 0.3438



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.6464, 0.3016, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6066, 0.2855, 0.3438 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 89.6066, 0.2855, 0.3438 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, 241) }
```

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

```
.border{ border-color:rgb(196, 255, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6066, 0.2855, 0.3438 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, 241) }
```

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

```
.background{ background-color: rgb(196,  
255, 241) }
```

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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