

Converting Colors

Yxy(87.6534, 0.2498, 0.2910)

Have a look what the booklet for
Yxy(87.6534, 0.2498, 0.2910)
contains.

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Color

Yxy(85.3869, 0.2648, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	AAFCFF
RGB	170, 252, 255
RGB Percent	67%, 99%, 100%
CMY	0.3332, 0.0118, 0.0001
CMYK	0.33, 0.01, 0.00, 0.00
HSL	182°, 100%, 83%
HSV	182°, 33%, 100%
XYZ	69.4424, 85.3869, 107.4155
YIQ	227.8240, -49.8350, -16.4510

Conversions

Conversions Part 2

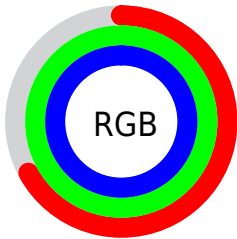
Format	Color
RYB	170, 212, 255
Decimal	11205887
CIELab	94.05, -24.02, -9.36
CIELCh	94, 25.778, 201.283
Yxy	85.3869, 0.2648, 0.3256
Android (android.graphics.Color)	4289395967 (0xFFAAFCFF)
YUV	227.8240, 13.3978, -50.7116
Hunter-Lab	92.4050, -27.5660, -4.2376

Details

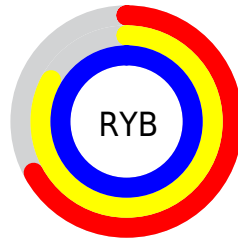
The Yxy color **85.3869, 0.2648, 0.3256** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.0602, 0.3901, 0.3324**, and the grayscale version is **77.3832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.6848, 0.2548, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **82.2561, 0.2531, 0.3245**, and if you desaturate by 10%, it is **89.0783, 0.2780, 0.3267**.

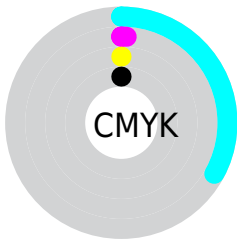
Distribution



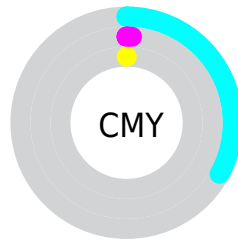
- Red (67%)
- Green (99%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3869, 0.2648, 0.3256 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 85.3869, 0.2648, 0.3256 by changing the saturation by 10% instead.


 85.3869, 0.2648,
0.3256

 85.3869, 0.2648,
0.3256


512.9074, 0.2860,
0.3275

 64.1611, 0.2602,
0.3251


 140.9136, 0.2720,
0.3263

 46.7812, 0.2546,
0.3244


175.9833, 0.2748,
0.3266

 32.8627, 0.2476,
0.3235


216.4365, 0.2773,
0.3268

 22.0213, 0.2388,
0.3222

262.6574, 0.2795,
0.3270

 13.8725, 0.2274,
0.3204

315.0306, 0.2814,
0.3272

 8.0321, 0.2118,
0.3175


373.9404, 0.2831,


 4.1155, 0.1895,


0.3273

0.3125


439.7712, 0.2846,
0.3274


 1.7384, 0.1554,
0.3025

 0.4483, 0.0000,
0.2799

 85.3869, 0.2648,
0.3256


 85.3869, 0.2648,
0.3256


 82.2561, 0.2531,
0.3245


 89.0783, 0.2780,
0.3267

 79.6437, 0.2432,
0.3233

 93.3495, 0.2923,
0.3277

 77.5178, 0.2351,
0.3221

 98.2312, 0.3075,
0.3287

 75.8389, 0.2290,
0.3209

99.9991, 0.3127,
0.3290

■ 74.5609, 0.2249,
0.3197

■ 73.6280, 0.2225,
0.3185

■ 73.1430, 0.2216,
0.3178

Harmonies

Analogous

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



85.3869, 0.2848, 0.3536



85.3869, 0.2648, 0.3256



85.3869, 0.2573, 0.3003

Triad

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



85.3869, 0.2648, 0.3256



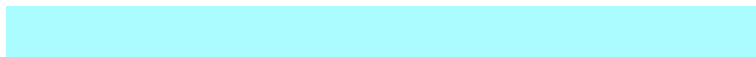
85.3869, 0.3105, 0.2884



85.3869, 0.3634, 0.3731

Complementary

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



85.3869, 0.2648, 0.3256



54.0602, 0.3901, 0.3324

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.



85.3869, 0.3715, 0.3535



85.3869, 0.2648, 0.3256



85.3869, 0.3401, 0.3059

Square

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



85.3869, 0.2648, 0.3256



85.3869, 0.2827, 0.2805



85.3869, 0.3629, 0.3292



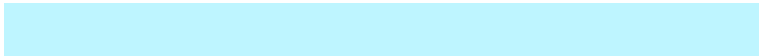
85.3869, 0.3416, 0.3816

Rectangle

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



85.3869, 0.2648, 0.3256



85.3869, 0.2600, 0.2884



85.3869, 0.3629, 0.3292



85.3869, 0.3679, 0.3675

Sweetspot

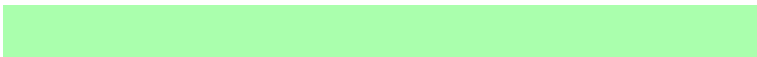
The Sweet Spot groups the original color and five complimentary colors.



85.3903, 0.2648, 0.3256



94.9097, 0.2973, 0.3281



83.0741, 0.3066, 0.4254



20.1722, 0.2951, 0.3279



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.



85.3903, 0.2648, 0.3256



83.2454, 0.2568, 0.3248



61.7071, 0.2586, 0.2770



20.3654, 0.2980, 0.3281



38.2724, 0.2217, 0.3180



3.7594, 0.2220, 0.3193

Inverse Universe

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



57.0516, 0.3189, 0.2486



51.0336, 0.3203, 0.2331



72.9387, 0.3755, 0.3758



18.2887, 0.3144, 0.3064



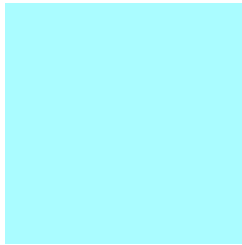
14.5916, 0.3299, 0.1591



1.4241, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 85.3869, 0.2648, 0.3256 looks on a white background.

Color Contrast Check

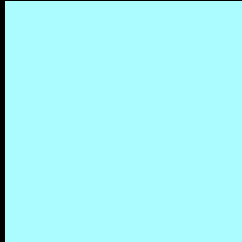
Large Text (above 18pt) WCAG AA × Fail

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 85.3869, 0.2648, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

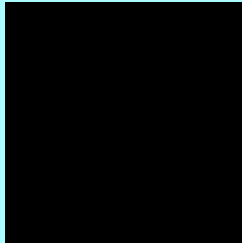
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3869, 0.2648, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 85.3869, 0.2648, 0.3256.

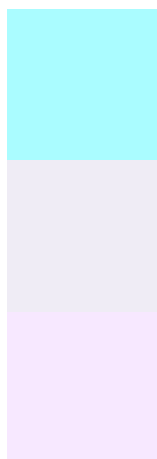


This preview shows how white text looks on a background with the Yxy color 85.3869, 0.2648, 0.3256.

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

85.3869, 0.2648, 0.3256

Protanopia

84.9342, 0.3092, 0.3199

Deuteranopia

84.7074, 0.3084, 0.3064



Tritanopia

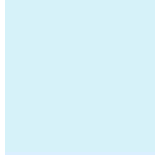
85.0432, 0.2831, 0.3174

Trichromacy



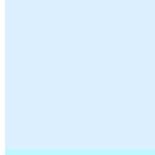
Original Color

85.3869, 0.2648, 0.3256



Protanomaly

84.6400, 0.2910, 0.3216



Deuteranomaly

84.0131, 0.2906, 0.3125



Tritanomaly

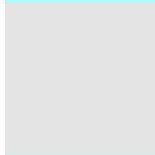
85.0790, 0.2760, 0.3204

Monochromacy



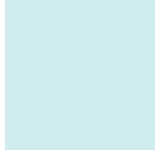
Original Color

85.3869, 0.2648, 0.3256



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.0068, 0.2928, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3869, 0.2648, 0.3256 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(170, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 252, 255)  
}
```

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(170, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.3869, 0.2648, 0.3256 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(170, 252, 255) }
```

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

```
.border{ border-color:rgb(170, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3869, 0.2648, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 252, 255) }
```

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

```
.background{ background-color: rgb(170,  
252, 255) }
```

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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