

Converting Colors

$Y_{xy}(85.8405, 0.2583, 0.3339)$

Have a look what the booklet for
Yxy(85.8405, 0.2583, 0.3339)
contains.

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Color

Yxy(85.1276, 0.2579, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	97FFFC
RGB	151, 255, 252
RGB Percent	59%, 100%, 99%
CMY	0.4080, 0.0000, 0.0118
CMYK	0.41, 0.00, 0.01, 0.00
HSL	178°, 100%, 80%
HSV	178°, 41%, 100%
XYZ	66.0879, 85.1276, 105.0385
YIQ	223.5620, -61.0210, -22.9810

Conversions

Conversions Part 2

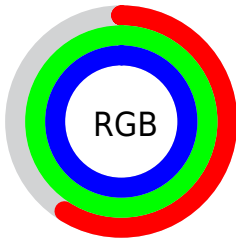
Format	Color
R_{YB}	151, 204, 255
Decimal	9961468
CIE _{Lab}	93.94, -30.91, -8.07
CIE _{LCh}	94, 31.947, 194.631
Yxy	85.1276, 0.2579, 0.3322
Android (android.graphics.Color)	4288151548 (0xFF97FFFC)
YUV	223.5620, 14.0199, -63.6369
Hunter-Lab	92.2646, -33.6059, -2.9134

Details

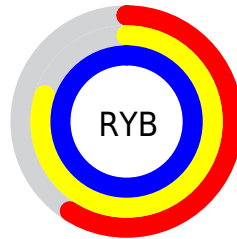
The Yxy color **85.1276, 0.2579, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7164, 0.4147, 0.3261**, and the grayscale version is **74.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **46.6036, 0.2464, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **82.8970, 0.2481, 0.3331**, and if you desaturate by 10%, it is **87.8800, 0.2694, 0.3313**.

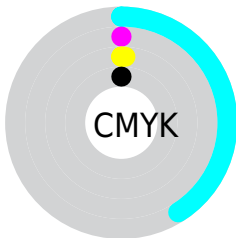
Distribution



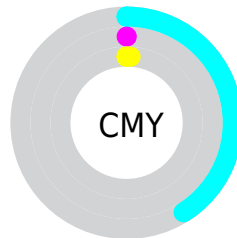
- Red (59%)
- Green (100%)
- Blue (99%)



- Red (59%)
- Yellow (80%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1276, 0.2579, 0.3322 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 85.1276, 0.2579, 0.3322 by changing the saturation by 10% instead.


 85.1276, 0.2579,
0.3322


 85.1276, 0.2579,
0.3322

512.0502, 0.2822,
0.3312

 63.9468, 0.2526,
0.3323


 140.5514, 0.2661,
0.3320

 46.6076, 0.2462,
0.3324

 175.5633, 0.2694,
0.3318

 32.7256, 0.2383,
0.3324


215.9543, 0.2722,
0.3317

 21.9163, 0.2283,
0.3323

262.1088, 0.2747,
0.3316

 13.7954, 0.2152,
0.3319

314.4113, 0.2769,
0.3315

 7.9785, 0.1976,
0.3310

373.2461, 0.2788,

 4.0812, 0.1725,

0.3314

438.9976, 0.2806,
0.3313

0.3286

1.7191, 0.1337,
0.3228

0.4360, 0.0000,
0.2952

85.1276, 0.2579,
0.3322

85.1276, 0.2579,
0.3322

82.8970, 0.2481,
0.3331

87.8800, 0.2694,
0.3313

81.1627, 0.2401,
0.3340

91.1944, 0.2824,
0.3305

79.8834, 0.2342,
0.3350

95.0966, 0.2965,
0.3297

79.0149, 0.2301,
0.3359

99.6136, 0.3115,
0.3291

■ 78.5046, 0.2279,
0.3369

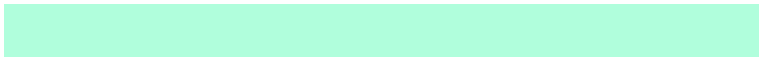
100.0000, 0.3127,
0.3290

■ 78.2747, 0.2272,
0.3377

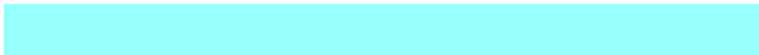
Harmonies

Analogous

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



85.1276, 0.2850, 0.3668



85.1276, 0.2579, 0.3322



85.1276, 0.2453, 0.2991

Triad

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



85.1276, 0.2579, 0.3322



85.1276, 0.3015, 0.2761



85.1276, 0.3794, 0.3785

Complementary

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



85.1276, 0.2579, 0.3322



45.7164, 0.4147, 0.3261

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.



85.1276, 0.3852, 0.3521



85.1276, 0.2579, 0.3322



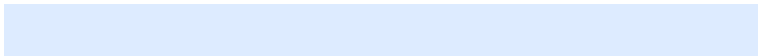
85.1276, 0.3387, 0.2950

Square

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



85.1276, 0.2579, 0.3322



85.1276, 0.2693, 0.2693



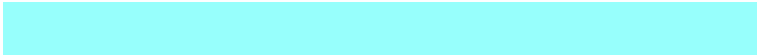
85.1276, 0.3701, 0.3221



85.1276, 0.3553, 0.3935

Rectangle

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



85.1276, 0.2579, 0.3322



85.1276, 0.2461, 0.2828



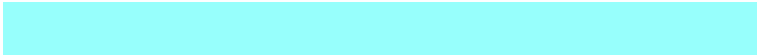
85.1276, 0.3701, 0.3221



85.1276, 0.3836, 0.3706

Sweetspot

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



85.1246, 0.2579, 0.3322



94.5945, 0.2948, 0.3298



80.6667, 0.3087, 0.4548



20.1327, 0.2929, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

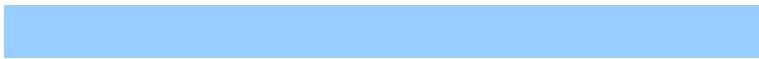
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1246, 0.2579, 0.3322



83.2595, 0.2497, 0.3329



58.1579, 0.2474, 0.2715



20.4719, 0.2984, 0.3297



40.9043, 0.2271, 0.3376



3.9855, 0.2268, 0.3365

Inverse Universe

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



45.7164, 0.4147, 0.3261



38.9503, 0.4474, 0.3257



64.5792, 0.3960, 0.3796



17.9956, 0.3290, 0.3284



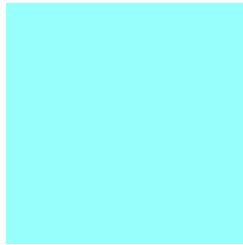
11.1209, 0.6372, 0.3284



1.0857, 0.6302, 0.3245

Previews

White Background



This preview shows how the Yxy color 85.1276, 0.2579, 0.3322 looks on a white background.

Color Contrast Check

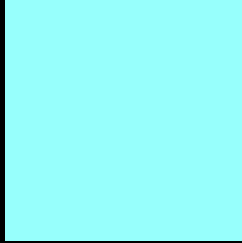
Large Text (above 18pt) WCAG AA × Fail

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 85.1276, 0.2579, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

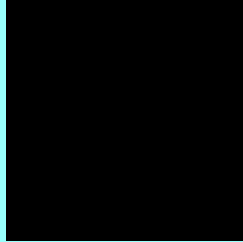
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1276, 0.2579, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 85.1276, 0.2579, 0.3322.

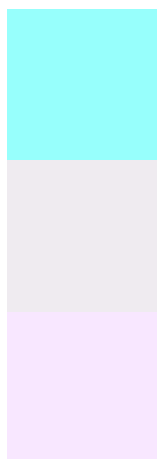


This preview shows how white text looks on a background with the Yxy color 85.1276, 0.2579, 0.3322.

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

85.1276, 0.2579, 0.3322

Protanopia

84.0587, 0.3123, 0.3239

Deuteranopia

84.3283, 0.3091, 0.3055



Tritanopia

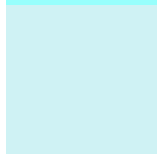
84.3389, 0.2803, 0.3173

Trichromacy



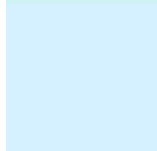
Original Color

85.1276, 0.2579, 0.3322



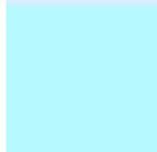
Protanomaly

83.3013, 0.2896, 0.3268



Deuteranomaly

83.6221, 0.2876, 0.3144



Tritanomaly

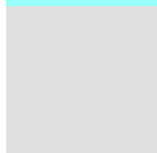
84.3578, 0.2713, 0.3224

Monochromacy



Original Color

85.1276, 0.2579, 0.3322



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2275, 0.2888, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1276, 0.2579, 0.3322 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(151, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 252)  
}
```

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(151, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 85.1276, 0.2579, 0.3322 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(151, 255, 252) }
```

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

```
.border{ border-color:rgb(151, 255, 252) }
```

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

Here you see how a box with a 4 pixel rgb(151, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1276, 0.2579, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 252) }
```

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

```
.background{ background-color: rgb(151,  
255, 252) }
```

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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