

Converting Colors

$Yxy(85.1926, 0.2598, 0.3345)$

Have a look what the booklet for
Yxy(85.1926, 0.2598, 0.3345)
contains.

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Color

Yxy(85.1944, 0.2597, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	99FFFA
RGB	153, 255, 250
RGB Percent	60%, 100%, 98%
CMY	0.3997, 0.0000, 0.0195
CMYK	0.40, 0.00, 0.02, 0.00
HSL	177°, 100%, 80%
HSV	177°, 40%, 100%
XYZ	66.1632, 85.1944, 103.4103
YIQ	223.9320, -59.1870, -23.1790

Conversions

Conversions Part 2

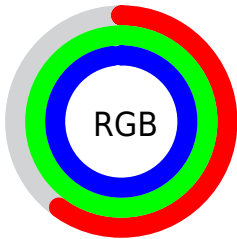
Format	Color
RYB	153, 205, 255
Decimal	10092538
CIELab	93.97, -30.87, -6.99
CIElCh	94, 31.649, 192.766
Yxy	85.1944, 0.2597, 0.3344
Android (android.graphics.Color)	4288282618 (0xFF99FFFA)
YUV	223.9320, 12.8515, -62.2074
Hunter-Lab	92.3008, -33.5737, -1.8157

Details

The Yxy color **85.1944, 0.2597, 0.3344** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.5348, 0.4096, 0.3241**, and the grayscale version is **74.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **46.7161, 0.2482, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **82.8967, 0.2499, 0.3360**, and if you desaturate by 10%, it is **88.0295, 0.2712, 0.3329**.

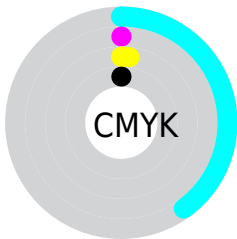
Distribution



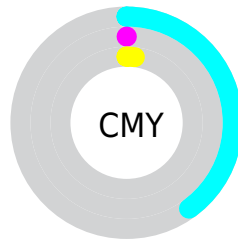
- Red (60%)
- Green (100%)
- Blue (98%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1944, 0.2597, 0.3344 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 85.1944, 0.2597, 0.3344 by changing the saturation by 10% instead.

 85.1944, 0.2597,
0.3344


 85.1944, 0.2597,
0.3344


512.2711, 0.2832,
0.3324

 64.0020, 0.2546,
0.3347

 140.6447, 0.2677,
0.3338

 46.6523, 0.2484,
0.3351


 175.6715, 0.2708,
0.3335

 32.7609, 0.2407,
0.3355


216.0785, 0.2735,
0.3333

 21.9433, 0.2309,
0.3359

262.2502, 0.2759,
0.3331

 13.8153, 0.2182,
0.3362

314.5709, 0.2781,
0.3329

 7.9923, 0.2010,
0.3363

373.4250, 0.2800,

 4.0900, 0.1763,

0.3327

439.1969, 0.2817,
0.3326

0.3355

1.7240, 0.1380,
0.3323

0.4392, 0.0000,
0.3123

85.1944, 0.2597,
0.3344

85.1944, 0.2597,
0.3344

82.8967, 0.2499,
0.3360

88.0295, 0.2712,
0.3329

81.0923, 0.2419,
0.3376

91.4231, 0.2840,
0.3315

79.7465, 0.2359,
0.3392

95.4071, 0.2980,
0.3302

78.8158, 0.2319,
0.3409

99.9952, 0.3127,
0.3290

■ 78.2483, 0.2297,
0.3425

99.9954, 0.3127,
0.3290

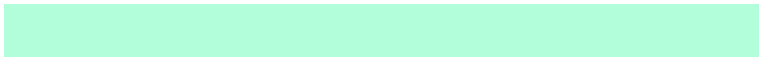
■ 77.9594, 0.2289,
0.3441

■ 77.9587, 0.2289,
0.3441

Harmonies

Analogous

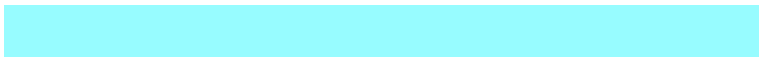
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1944, 0.2873, 0.3683



85.1944, 0.2597, 0.3344



85.1944, 0.2462, 0.3012

Triad

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



85.1944, 0.2597, 0.3344



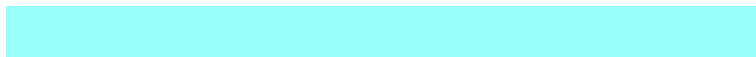
85.1944, 0.2994, 0.2758



85.1944, 0.3797, 0.3767

Complementary

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



85.1944, 0.2597, 0.3344



46.5348, 0.4096, 0.3241

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.



85.1944, 0.3842, 0.3501



85.1944, 0.2597, 0.3344



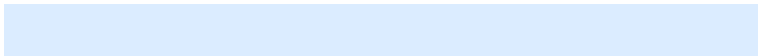
85.1944, 0.3363, 0.2939

Square

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



85.1944, 0.2597, 0.3344



85.1944, 0.2681, 0.2699



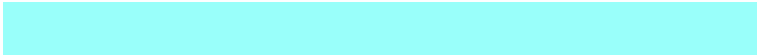
85.1944, 0.3680, 0.3204



85.1944, 0.3568, 0.3925

Rectangle

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



85.1944, 0.2597, 0.3344



85.1944, 0.2464, 0.2845



85.1944, 0.3680, 0.3204



85.1944, 0.3835, 0.3686

Sweetspot

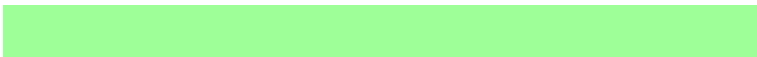
The Sweet Spot groups the original color and five complimentary colors.



85.1978, 0.2597, 0.3344



94.5554, 0.2951, 0.3304



81.1038, 0.3098, 0.4515



20.1234, 0.2932, 0.3306



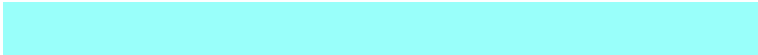
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

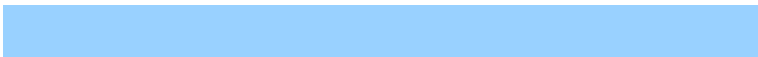
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1978, 0.2597, 0.3344



83.3150, 0.2517, 0.3357



59.6627, 0.2490, 0.2750



20.4652, 0.2987, 0.3301



40.7444, 0.2288, 0.3438



3.9717, 0.2283, 0.3420

Inverse Universe

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



46.5348, 0.4096, 0.3241



39.7775, 0.4404, 0.3232



64.3783, 0.3946, 0.3769



18.0014, 0.3287, 0.3279



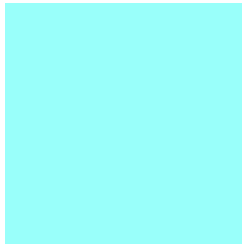
11.1293, 0.6352, 0.3273



1.0884, 0.6236, 0.3209

Previews

White Background



This preview shows how the Yxy color 85.1944, 0.2597, 0.3344 looks on a white background.

Color Contrast Check

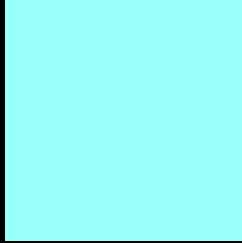
Large Text (above 18pt) WCAG AA × Fail

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 85.1944, 0.2597, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

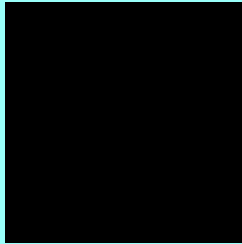
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1944, 0.2597, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 85.1944, 0.2597, 0.3344.

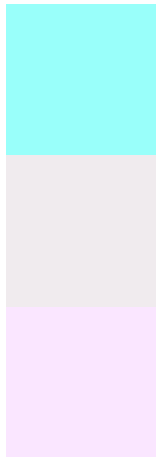


This preview shows how white text looks on a background with the Yxy color 85.1944, 0.2597, 0.3344.

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

85.1944, 0.2597, 0.3344

Protanopia

84.1150, 0.3142, 0.3260

Deuteranopia

84.1376, 0.3105, 0.3046



Tritanopia

84.4779, 0.2808, 0.3173

Trichromacy



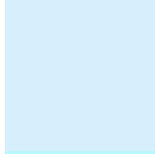
Original Color

85.1944, 0.2597, 0.3344



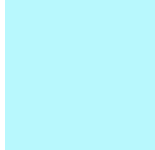
Protanomaly

83.3250, 0.2913, 0.3289



Deuteranomaly

83.2719, 0.2893, 0.3144



Tritanomaly

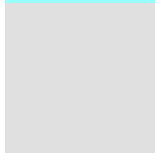
84.4170, 0.2723, 0.3235

Monochromacy



Original Color

85.1944, 0.2597, 0.3344



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3056, 0.2900, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1944, 0.2597, 0.3344 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(153, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 250)  
}
```

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(153, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 85.1944, 0.2597, 0.3344 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(153, 255, 250) }
```

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

```
.border{ border-color:rgb(153, 255, 250) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1944, 0.2597, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 250) }
```

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

```
.background{ background-color: rgb(153,  
255, 250) }
```

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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