

Converting Colors

$Y_{xy}(100.0000, 0.2620, 0.3559)$

Have a look what the booklet for
Yxy(100.0000, 0.2620, 0.3559)
contains.

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Color

Yxy(85.2237, 0.2583, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	98FFFC
RGB	152, 255, 252
RGB Percent	60%, 100%, 99%
CMY	0.4043, 0.0000, 0.0117
CMYK	0.40, 0.00, 0.01, 0.00
HSL	178°, 100%, 80%
HSV	178°, 40%, 100%
XYZ	66.2651, 85.2237, 105.0545
YIQ	223.8610, -60.4250, -22.7690

Conversions

Conversions Part 2

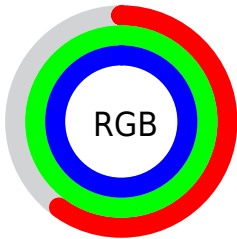
Format	Color
RYB	152, 204, 255
Decimal	10027004
CIELab	93.98, -30.69, -8.01
CIElCh	94, 31.721, 194.623
Yxy	85.2237, 0.2583, 0.3322
Android (android.graphics.Color)	4288217084 (0xFF98FFFC)
YUV	223.8610, 13.8725, -63.0221
Hunter-Lab	92.3167, -33.4264, -2.8491

Details

The Yxy color **85.2237, 0.2583, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0465, 0.4134, 0.3262**, and the grayscale version is **74.3451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.7080, 0.2472, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **82.9676, 0.2484, 0.3331**, and if you desaturate by 10%, it is **87.9896, 0.2699, 0.3313**.

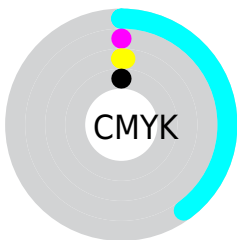
Distribution



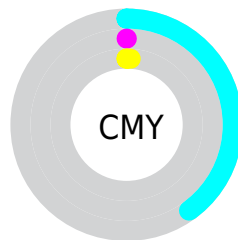
- Red (60%)
- Green (100%)
- Blue (99%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2237, 0.2583, 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 85.2237, 0.2583, 0.3322 by changing the saturation by 10% instead.


 85.2237, 0.2583,
0.3322


 85.2237, 0.2583,
0.3322

512.3680, 0.2824,
0.3312

 64.0262, 0.2531,
0.3323


 140.6857, 0.2664,
0.3320

 46.6719, 0.2467,
0.3324


 175.7190, 0.2697,
0.3318

 32.7764, 0.2388,
0.3324


216.1330, 0.2725,
0.3317

 21.9552, 0.2289,
0.3323

262.3122, 0.2749,
0.3316

 13.8240, 0.2160,
0.3320

314.6409, 0.2771,
0.3315

 7.9983, 0.1984,
0.3310


373.5035, 0.2791,


 4.0939, 0.1735,


0.3314


439.2844, 0.2808,
0.3313


0.3288


 1.7262, 0.1351,
0.3231


 0.4405, 0.0000,
0.2973


 85.2237, 0.2583,
0.3322

 85.2237, 0.2583,
0.3322


 82.9676, 0.2484,
0.3331


 87.9896, 0.2699,
0.3313

 81.2158, 0.2404,
0.3340

 91.3251, 0.2829,
0.3305

 79.9204, 0.2344,
0.3350

 95.2495, 0.2970,
0.3297

 79.0376, 0.2303,
0.3359

99.7896, 0.3121,
0.3290

■ 78.5150, 0.2280,
0.3369

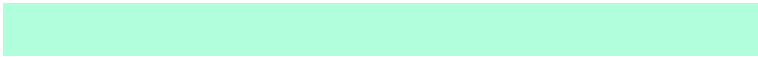
100.0000, 0.3127,
0.3290

■ 78.2719, 0.2272,
0.3378

Harmonies

Analogous

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



85.2237, 0.2852, 0.3665



85.2237, 0.2583, 0.3322



85.2237, 0.2458, 0.2993

Triad

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



85.2237, 0.2583, 0.3322



85.2237, 0.3016, 0.2765



85.2237, 0.3789, 0.3782

Complementary

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



85.2237, 0.2583, 0.3322



46.0465, 0.4134, 0.3262

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.



85.2237, 0.3846, 0.3520



85.2237, 0.2583, 0.3322



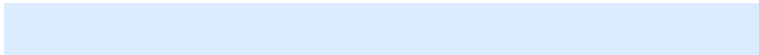
85.2237, 0.3385, 0.2953

Square

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



85.2237, 0.2583, 0.3322



85.2237, 0.2696, 0.2697



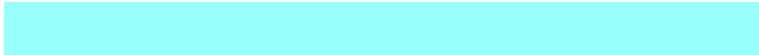
85.2237, 0.3696, 0.3222



85.2237, 0.3550, 0.3931

Rectangle

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



85.2237, 0.2583, 0.3322



85.2237, 0.2466, 0.2831



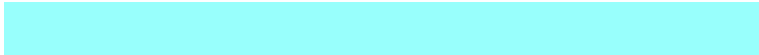
85.2237, 0.3696, 0.3222



85.2237, 0.3831, 0.3703

Sweetspot

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



85.2141, 0.2583, 0.3322



94.5941, 0.2948, 0.3298



80.7854, 0.3087, 0.4535



20.1326, 0.2929, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

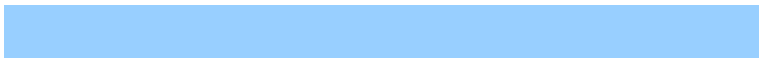
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2141, 0.2583, 0.3322



83.2581, 0.2497, 0.3330



58.4560, 0.2480, 0.2721



20.4718, 0.2984, 0.3297



40.9028, 0.2271, 0.3376



3.9853, 0.2268, 0.3366

Inverse Universe

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



46.0465, 0.4134, 0.3262



38.9509, 0.4474, 0.3257



64.8380, 0.3950, 0.3791



17.9956, 0.3290, 0.3284



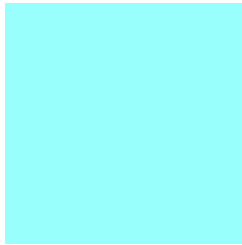
11.1210, 0.6371, 0.3284



1.0857, 0.6302, 0.3245

Previews

White Background



This preview shows how the Yxy color 85.2237, 0.2583, 0.3322 looks on a white background.

Color Contrast Check

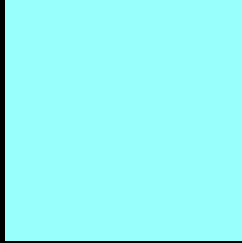
Large Text (above 18pt) WCAG AA × Fail

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 85.2237, 0.2583, 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

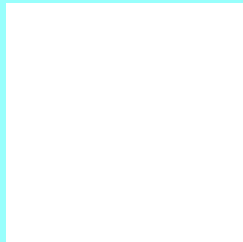
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2237, 0.2583, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 85.2237, 0.2583, 0.3322.

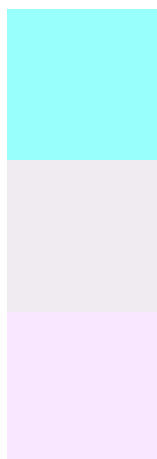


This preview shows how white text looks on a background with the Yxy color 85.2237, 0.2583, 0.3322.

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

85.2237, 0.2583, 0.3322

Protanopia

84.0587, 0.3123, 0.3239

Deuteranopia

84.3283, 0.3091, 0.3055



Tritanopia

84.4779, 0.2808, 0.3173

Trichromacy



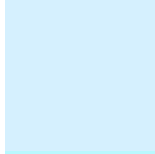
Original Color

85.2237, 0.2583, 0.3322



Protanomaly

83.3013, 0.2896, 0.3268



Deuteranomaly

83.6221, 0.2876, 0.3144



Tritanomaly

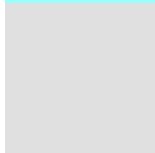
84.4809, 0.2718, 0.3224

Monochromacy



Original Color

85.2237, 0.2583, 0.3322



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3629, 0.2894, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2237, 0.2583, 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(152, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 85.2237, 0.2583, 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(152, 255, 252) }
```

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

```
.border{ border-color:rgb(152, 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(152, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2237, 0.2583, 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(152, 255, 252) }
```

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

```
.background{ background-color: rgb(152,  
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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