

Converting Colors

$Yxy(99.9864, 0.2625, 0.3568)$

Have a look what the booklet for
Yxy(99.9864, 0.2625, 0.3568)
contains.

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Color

Yxy(85.1604, 0.2588, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	98FFFB
RGB	152, 255, 251
RGB Percent	60%, 100%, 98%
CMY	0.4038, 0.0000, 0.0157
CMYK	0.40, 0.00, 0.02, 0.00
HSL	178°, 100%, 80%
HSV	178°, 40%, 100%
XYZ	66.1251, 85.1604, 104.2212
YIQ	223.7470, -60.1040, -23.0800

Conversions

Conversions Part 2

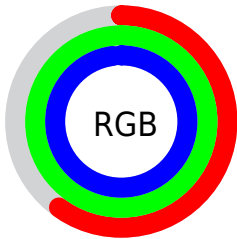
Format	Color
RYB	152, 205, 255
Decimal	10027003
CIELab	93.95, -30.89, -7.53
CIElCh	94, 31.794, 193.702
Yxy	85.1604, 0.2588, 0.3333
Android (android.graphics.Color)	4288217083 (0xFF98FFFB)
YUV	223.7470, 13.4357, -62.9221
Hunter-Lab	92.2824, -33.5896, -2.3628

Details

The Yxy color **85.1604, 0.2588, 0.3333** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.1269, 0.4121, 0.3251**, and the grayscale version is **74.2919, 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 **82.8990, 0.2490, 0.3345**, and if you desaturate by 10%, it is **87.9572, 0.2703, 0.3321**.

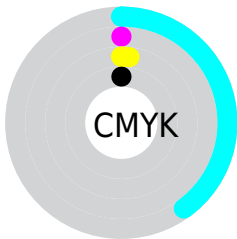
Distribution



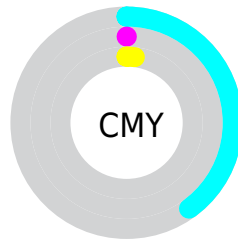
- Red (60%)
- Green (100%)
- Blue (98%)



- 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 85.1604, 0.2588, 0.3333 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 85.1604, 0.2588, 0.3333 by changing the saturation by 10% instead.


 85.1604, 0.2588,
0.3333


 85.1604, 0.2588,
0.3333

512.1587, 0.2827,
0.3318

 63.9739, 0.2536,
0.3335


 140.5973, 0.2669,
0.3329

 46.6296, 0.2473,
0.3338


 175.6164, 0.2701,
0.3327

 32.7429, 0.2395,
0.3340


216.0153, 0.2729,
0.3325

 21.9296, 0.2296,
0.3341

262.1782, 0.2753,
0.3324

 13.8052, 0.2167,
0.3341

314.4896, 0.2775,
0.3322

 7.9853, 0.1993,
0.3336

373.3339, 0.2794,

 4.0855, 0.1744,

0.3321

439.0955, 0.2811,
0.3319

0.3320

1.7215, 0.1359,
0.3276

0.4375, 0.0000,
0.3036

85.1604, 0.2588,
0.3333

85.1604, 0.2588,
0.3333

82.8990, 0.2490,
0.3345

87.9572, 0.2703,
0.3321

81.1295, 0.2410,
0.3358

91.3113, 0.2832,
0.3310

79.8168, 0.2350,
0.3371

95.2546, 0.2973,
0.3300

78.9171, 0.2310,
0.3384

99.8138, 0.3121,
0.3290

■ 78.3780, 0.2288,
0.3397

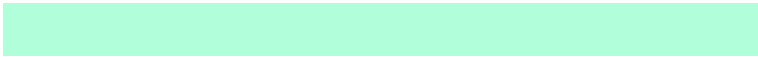
100.0000, 0.3127,
0.3290

■ 78.1190, 0.2280,
0.3409

Harmonies

Analogous

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



85.1604, 0.2861, 0.3676



85.1604, 0.2588, 0.3333



85.1604, 0.2458, 0.3002

Triad

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



85.1604, 0.2588, 0.3333



85.1604, 0.3005, 0.2760



85.1604, 0.3796, 0.3776

Complementary

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



85.1604, 0.2588, 0.3333



46.1269, 0.4121, 0.3251

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.



85.1604, 0.3847, 0.3511



85.1604, 0.2588, 0.3333



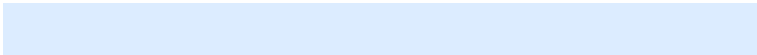
85.1604, 0.3375, 0.2945

Square

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



85.1604, 0.2588, 0.3333



85.1604, 0.2687, 0.2696



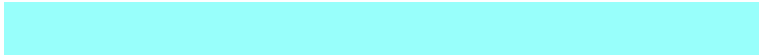
85.1604, 0.3690, 0.3213



85.1604, 0.3560, 0.3930

Rectangle

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



85.1604, 0.2588, 0.3333



85.1604, 0.2463, 0.2836



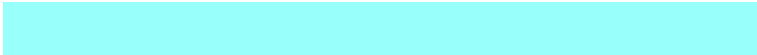
85.1604, 0.3690, 0.3213



85.1604, 0.3836, 0.3696

Sweetspot

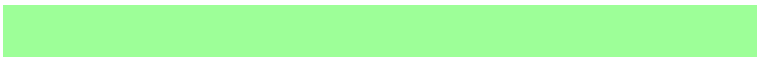
The Sweet Spot groups the original color and five complimentary colors.



85.1635, 0.2588, 0.3333



94.5750, 0.2949, 0.3301



80.9739, 0.3097, 0.4529



20.1281, 0.2930, 0.3303



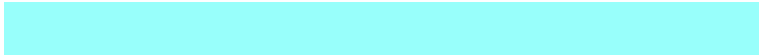
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

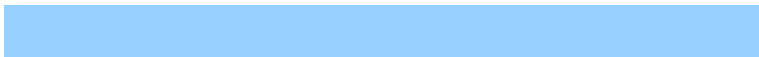
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1635, 0.2588, 0.3333



83.3919, 0.2512, 0.3342



59.3339, 0.2484, 0.2743



20.4686, 0.2985, 0.3299



40.8242, 0.2280, 0.3407



3.9786, 0.2276, 0.3392

Inverse Universe

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



46.1269, 0.4121, 0.3251



39.7419, 0.4418, 0.3245



64.0835, 0.3956, 0.3774



17.9985, 0.3288, 0.3281



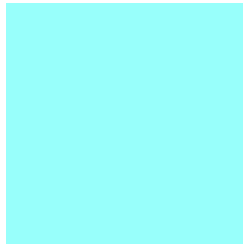
11.1251, 0.6362, 0.3278



1.0870, 0.6269, 0.3227

Previews

White Background



This preview shows how the Yxy color 85.1604, 0.2588, 0.3333 looks on a white background.

Color Contrast Check

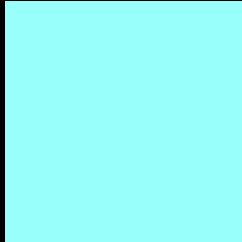
Large Text (above 18pt) WCAG AA × Fail

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 85.1604, 0.2588, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

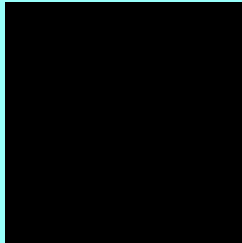
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

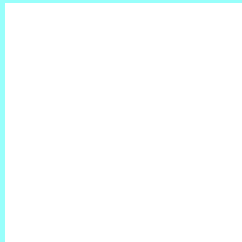
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1604, 0.2588, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 85.1604, 0.2588, 0.3333.

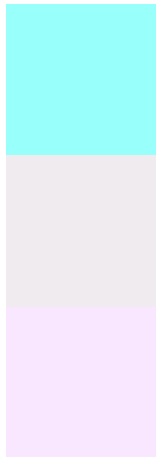


This preview shows how white text looks on a background with the Yxy color 85.1604, 0.2588, 0.3333.

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

85.1604, 0.2588, 0.3333

Protanopia

84.1739, 0.3136, 0.3250

Deuteranopia

83.9534, 0.3098, 0.3045



Tritanopia

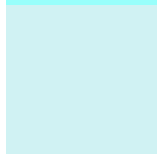
84.4779, 0.2808, 0.3173

Trichromacy



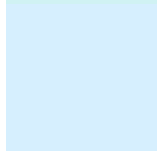
Original Color

85.1604, 0.2588, 0.3333



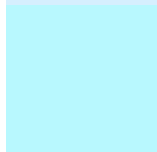
Protanomaly

83.3852, 0.2907, 0.3279



Deuteranomaly

83.1849, 0.2881, 0.3134



Tritanomaly

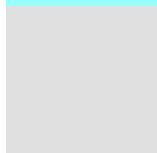
84.4809, 0.2718, 0.3224

Monochromacy



Original Color

85.1604, 0.2588, 0.3333



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 85.1604, 0.2588, 0.3333 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 85.1604, 0.2588, 0.3333 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, 251) }
```

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

```
.border{ border-color:rgb(152, 255, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1604, 0.2588, 0.3333 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, 251) }
```

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

```
.background{ background-color: rgb(152,  
255, 251) }
```

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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