

Converting Colors

$Yxy(84.4583, 0.2607, 0.3403)$

Have a look what the booklet for
Yxy(84.4583, 0.2607, 0.3403)
contains.

Yxy(84.5966, 0.2606, 0.3401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.5966, 0.2606, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	96FFF5
RGB	150, 255, 245
RGB Percent	59%, 100%, 96%
CMY	0.4118, 0.0000, 0.0391
CMYK	0.41, 0.00, 0.04, 0.00
HSL	174°, 100%, 79%
HSV	174°, 41%, 100%
XYZ	64.8217, 84.5966, 99.3220
YIQ	222.4650, -59.3700, -25.3700

Conversions

Conversions Part 2

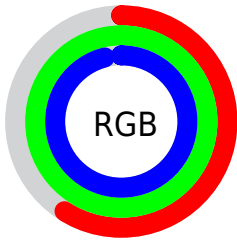
Format	Color
R_{YB}	150, 205, 255
Decimal	9895925
CIE _{Lab}	93.71, -32.77, -4.81
CIE _{LCh}	94, 33.122, 188.354
Yxy	84.5966, 0.2606, 0.3401
Android (android.graphics.Color)	4288086005 (0xFF96FFF5)
YUV	222.4650, 11.1098, -63.5518
Hunter-Lab	91.9764, -35.1582, 0.3583

Details

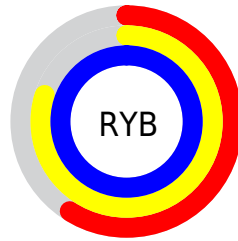
The Yxy color **84.5966, 0.2606, 0.3401** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.6087, 0.4088, 0.3188**, and the grayscale version is **73.3455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **46.3376, 0.2495, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **82.2898, 0.2514, 0.3432**, and if you desaturate by 10%, it is **87.4349, 0.2715, 0.3371**.

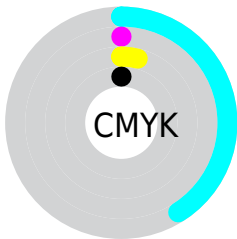
Distribution



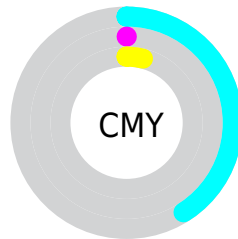
- Red (59%)
- Green (100%)
- Blue (96%)



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



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5966, 0.2606, 0.3401 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 84.5966, 0.2606, 0.3401 by changing the saturation by 10% instead.

 84.5966, 0.2606,
0.3401


 84.5966, 0.2606,
0.3401

510.2923, 0.2838,
0.3354

 63.5081, 0.2555,
0.3411


 139.8094, 0.2685,
0.3386

 46.2524, 0.2494,
0.3422

 174.7026, 0.2716,
0.3380

 32.4450, 0.2417,
0.3435


214.9660, 0.2743,
0.3374

 21.7017, 0.2320,
0.3452

260.9842, 0.2766,
0.3369

 13.6378, 0.2193,
0.3472

313.1416, 0.2787,
0.3365

 7.8692, 0.2020,
0.3496

371.8224, 0.2806,

 4.0114, 0.1771,

0.3361

437.4112, 0.2823,
0.3358

0.3524

1.6799, 0.1362,
0.3561

0.4106, 0.0000,
0.3439

84.5966, 0.2606,
0.3401

84.5966, 0.2606,
0.3401

82.2898, 0.2514,
0.3432

87.4349, 0.2715,
0.3371

80.4750, 0.2439,
0.3465

90.8313, 0.2837,
0.3343

79.1154, 0.2385,
0.3498

94.8162, 0.2970,
0.3317

78.1666, 0.2350,
0.3531

99.4166, 0.3110,
0.3293

■ 77.5753, 0.2333,
0.3563

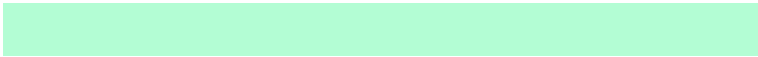
100.0000, 0.3127,
0.3290

■ 77.2777, 0.2331,
0.3592

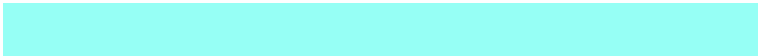
Harmonies

Analogous

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



84.5966, 0.2911, 0.3748



84.5966, 0.2606, 0.3401



84.5966, 0.2442, 0.3043

Triad

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



84.5966, 0.2606, 0.3401



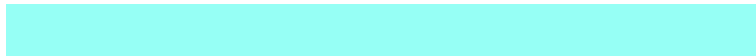
84.5966, 0.2933, 0.2716



84.5966, 0.3850, 0.3752

Complementary

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



84.5966, 0.2606, 0.3401



45.6087, 0.4088, 0.3188

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.



84.5966, 0.3865, 0.3464



84.5966, 0.2606, 0.3401



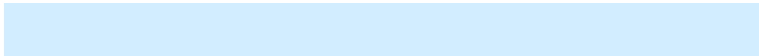
84.5966, 0.3317, 0.2888

Square

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



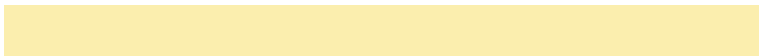
84.5966, 0.2606, 0.3401



84.5966, 0.2621, 0.2675



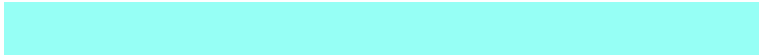
84.5966, 0.3666, 0.3155



84.5966, 0.3633, 0.3942

Rectangle

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



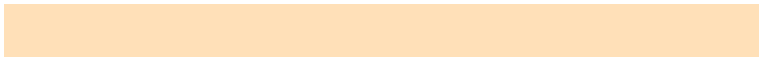
84.5966, 0.2606, 0.3401



84.5966, 0.2426, 0.2856



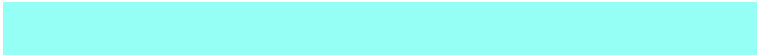
84.5966, 0.3666, 0.3155



84.5966, 0.3880, 0.3663

Sweetspot

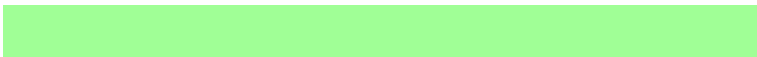
The Sweet Spot groups the original color and five complimentary colors.



84.5982, 0.2606, 0.3401



94.4656, 0.2958, 0.3319



81.2469, 0.3126, 0.4547



20.1021, 0.2941, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

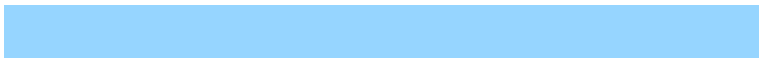
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5982, 0.2606, 0.3401



82.7492, 0.2532, 0.3425



61.2917, 0.2482, 0.2795



20.4500, 0.2993, 0.3312



40.3915, 0.2330, 0.3586



3.9411, 0.2319, 0.3549

Inverse Universe

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



45.6087, 0.4088, 0.3188



39.1889, 0.4379, 0.3172



61.1604, 0.4001, 0.3730



18.0151, 0.3279, 0.3268



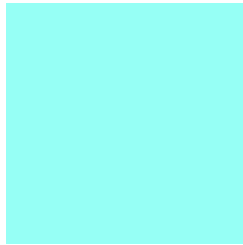
11.1530, 0.6296, 0.3242



1.0949, 0.6091, 0.3129

Previews

White Background



This preview shows how the Yxy color 84.5966, 0.2606, 0.3401 looks on a white background.

Color Contrast Check

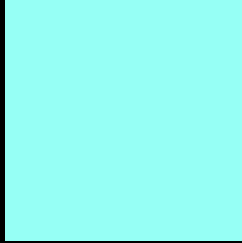
Large Text (above 18pt) WCAG AA × Fail

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 84.5966, 0.2606, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

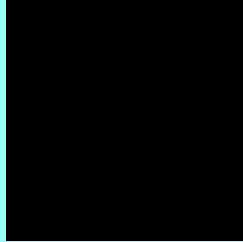
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5966, 0.2606, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 84.5966, 0.2606, 0.3401.

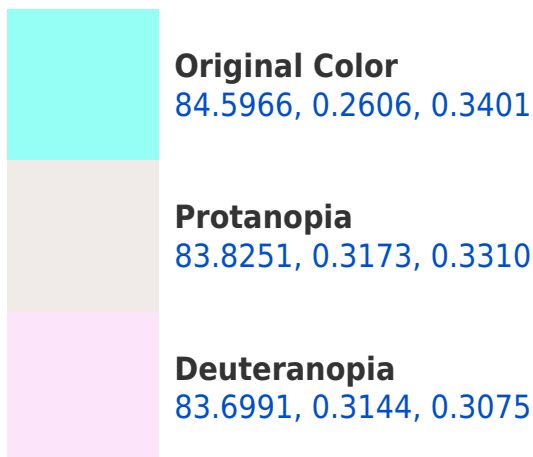


This preview shows how white text looks on a background with the Yxy color 84.5966, 0.2606, 0.3401.

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





Tritanopia

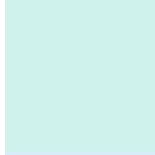
84.0635, 0.2791, 0.3173

Trichromacy



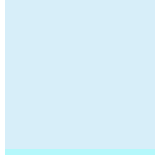
Original Color

84.5966, 0.2606, 0.3401



Protanomaly

82.8841, 0.2935, 0.3343



Deuteranomaly

82.4357, 0.2915, 0.3175



Tritanomaly

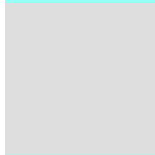
83.9236, 0.2717, 0.3256

Monochromacy



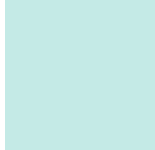
Original Color

84.5966, 0.2606, 0.3401



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2946, 0.2905, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5966, 0.2606, 0.3401 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(150, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 245)  
}
```

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(150, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 84.5966, 0.2606, 0.3401 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(150, 255, 245) }
```

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

```
.border{ border-color:rgb(150, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5966, 0.2606, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 245) }
```

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

```
.background{ background-color: rgb(150,  
255, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor