

Converting Colors

$Y_{xy}(100.2081, 0.2641, 0.3650)$

Have a look what the booklet for
Yxy(100.2081, 0.2641, 0.3650)
contains.

Yxy(84.5021, 0.2602, 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(84.5021, 0.2602, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	95FFF5
RGB	149, 255, 245
RGB Percent	58%, 100%, 96%
CMY	0.4154, 0.0000, 0.0391
CMYK	0.42, 0.00, 0.04, 0.00
HSL	174°, 100%, 79%
HSV	174°, 42%, 100%
XYZ	64.6499, 84.5021, 99.3105
YIQ	222.1660, -59.9660, -25.5820

Conversions

Conversions Part 2

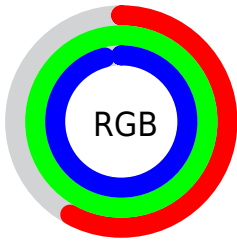
Format	Color
R _Y B	149, 205, 255
Decimal	9830389
CIE Lab	93.67, -32.98, -4.88
CIE LCh	94, 33.342, 188.408
Yxy	84.5021, 0.2602, 0.3401
Android (android.graphics.Color)	4288020469 (0xFF95FFF5)
YUV	222.1660, 11.2572, -64.1666
Hunter-Lab	91.9250, -35.3315, 0.2940

Details

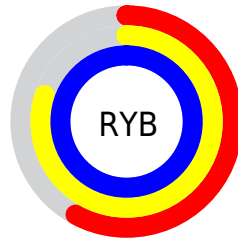
The Yxy color **84.5021, 0.2602, 0.3401** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.2846, 0.4102, 0.3188**, and the grayscale version is **73.1371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **46.2359, 0.2486, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **82.2166, 0.2510, 0.3432**, and if you desaturate by 10%, it is **87.3212, 0.2710, 0.3371**.

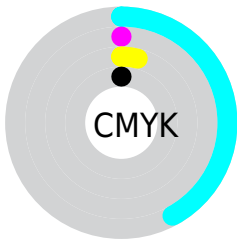
Distribution



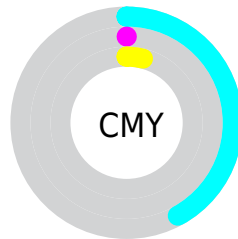
- Red (58%)
- Green (100%)
- Blue (96%)



- Red (58%)
- Yellow (80%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5021, 0.2602, 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 84.5021, 0.2602, 0.3401 by changing the saturation by 10% instead.


 84.5021, 0.2602,
0.3401

 84.5021, 0.2602,
0.3401


509.9791, 0.2836,
0.3354

 63.4301, 0.2551,
0.3411


 139.6773, 0.2681,
0.3386

 46.1892, 0.2489,
0.3422


 174.5493, 0.2713,
0.3380

 32.3952, 0.2412,
0.3435

214.7900, 0.2740,
0.3374

 21.6635, 0.2314,
0.3452

260.7839, 0.2764,
0.3369

 13.6099, 0.2186,
0.3471

312.9154, 0.2785,
0.3365

 7.8498, 0.2011,
0.3495


371.5688, 0.2804,


 3.9990, 0.1761,


0.3361


437.1286, 0.2820,
0.3358


0.3523


 1.6730, 0.1347,
0.3560


 0.4061, 0.0000,
0.3415


 84.5021, 0.2602,
0.3401

 84.5021, 0.2602,
0.3401


 82.2166, 0.2510,
0.3432


 87.3212, 0.2710,
0.3371


 80.4201, 0.2437,
0.3464

 90.6955, 0.2832,
0.3343

 79.0773, 0.2383,
0.3497

 94.6573, 0.2965,
0.3317

 78.1434, 0.2348,
0.3529

 99.2335, 0.3105,
0.3293

■ 77.5648, 0.2332,
0.3562

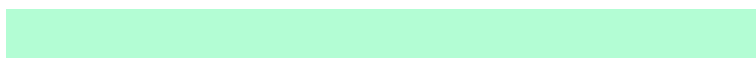
99.9936, 0.3127,
0.3290

■ 77.2834, 0.2330,
0.3589

Harmonies

Analogous

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



84.5021, 0.2909, 0.3751



84.5021, 0.2602, 0.3401



84.5021, 0.2437, 0.3041

Triad

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



84.5021, 0.2602, 0.3401



84.5021, 0.2932, 0.2713



84.5021, 0.3855, 0.3756

Complementary

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



84.5021, 0.2602, 0.3401



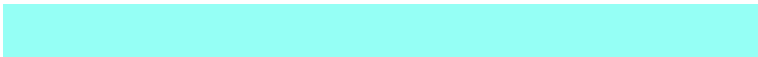
45.2846, 0.4102, 0.3188

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.



84.5021, 0.3871, 0.3465



84.5021, 0.2602, 0.3401



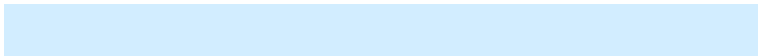
84.5021, 0.3319, 0.2886

Square

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



84.5021, 0.2602, 0.3401



84.5021, 0.2618, 0.2671



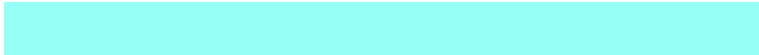
84.5021, 0.3670, 0.3154



84.5021, 0.3636, 0.3946

Rectangle

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



84.5021, 0.2602, 0.3401



84.5021, 0.2422, 0.2852



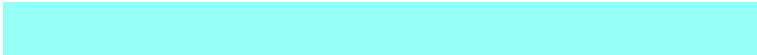
84.5021, 0.3670, 0.3154



84.5021, 0.3885, 0.3666

Sweetspot

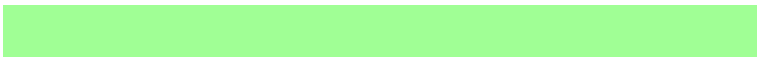
The Sweet Spot groups the original color and five complimentary colors.



84.5054, 0.2602, 0.3401



94.4673, 0.2958, 0.3318



81.1264, 0.3126, 0.4559



20.1026, 0.2940, 0.3322



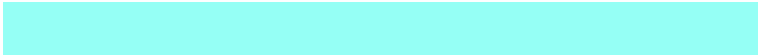
0.0000, 0.0000, 0.0000



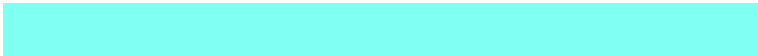
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5054, 0.2602, 0.3401



82.5420, 0.2523, 0.3427



61.0183, 0.2476, 0.2790



20.4503, 0.2993, 0.3312



40.3980, 0.2329, 0.3584



3.9416, 0.2319, 0.3547

Inverse Universe

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



45.2846, 0.4102, 0.3188



38.4467, 0.4420, 0.3171



60.8875, 0.4011, 0.3734



18.0148, 0.3280, 0.3268



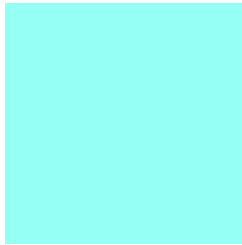
11.1524, 0.6297, 0.3243



1.0948, 0.6094, 0.3131

Previews

White Background



This preview shows how the Yxy color 84.5021, 0.2602, 0.3401 looks on a white background.

Color Contrast Check

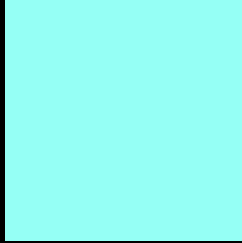
Large Text (above 18pt) WCAG AA × Fail

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 84.5021, 0.2602, 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 84.5021, 0.2602, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 84.5021, 0.2602, 0.3401.

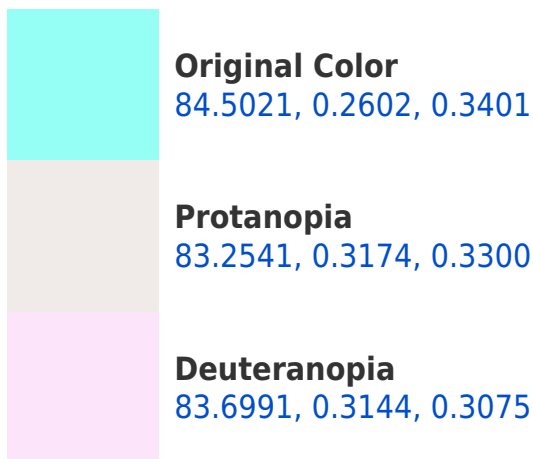


This preview shows how white text looks on a background with the Yxy color 84.5021, 0.2602, 0.3401.

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



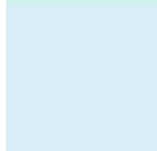
Original Color

84.5021, 0.2602, 0.3401



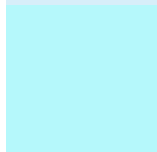
Protanomaly

82.8841, 0.2935, 0.3343



Deuteranomaly

82.4357, 0.2915, 0.3175



Tritanomaly

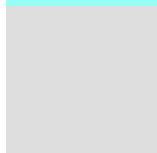
83.9236, 0.2717, 0.3256

Monochromacy



Original Color

84.5021, 0.2602, 0.3401



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1609, 0.2898, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5021, 0.2602, 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(149, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 84.5021, 0.2602, 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(149, 255, 245) }
```

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

```
.border{ border-color:rgb(149, 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(149, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5021, 0.2602, 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(149, 255, 245) }
```

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

```
.background{ background-color: rgb(149,  
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