

Converting Colors

Yxy(84.6890, 0.2616, 0.3410)

Have a look what the booklet for
Yxy(84.6890, 0.2616, 0.3410)
contains.

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Color

Yxy(84.6310, 0.2615, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	97FFF4
RGB	151, 255, 244
RGB Percent	59%, 100%, 96%
CMY	0.4080, 0.0000, 0.0432
CMYK	0.41, 0.00, 0.04, 0.00
HSL	174°, 100%, 80%
HSV	174°, 41%, 100%
XYZ	64.8433, 84.6310, 98.4923
YIQ	222.6500, -58.4530, -25.4690

Conversions

Conversions Part 2

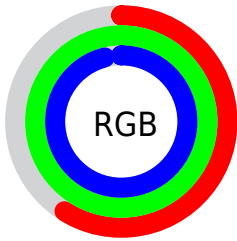
Format	Color
R_{YB}	151, 206, 255
Decimal	9961460
CIE _{Lab}	93.72, -32.79, -4.25
CIE _{LCh}	94, 33.060, 187.378
Yxy	84.6310, 0.2615, 0.3413
Android (android.graphics.Color)	4288151540 (0xFF97FFF4)
YUV	222.6500, 10.5255, -62.8371
Hunter-Lab	91.9951, -35.1747, 0.9192

Details

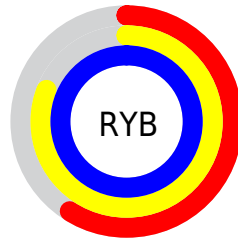
The Yxy color **84.6310, 0.2615, 0.3413** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.9874, 0.4063, 0.3177**, and the grayscale version is **73.4745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **46.3462, 0.2505, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **82.2825, 0.2523, 0.3448**, and if you desaturate by 10%, it is **87.4995, 0.2723, 0.3379**.

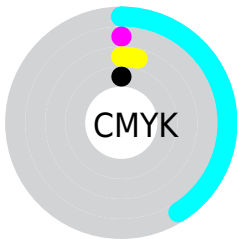
Distribution



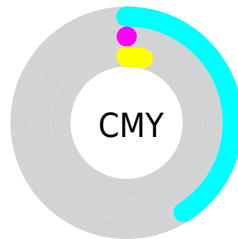
- Red (59%)
- Green (100%)
- Blue (96%)



- Red (59%)
- Yellow (81%)
- 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 84.6310, 0.2615, 0.3413 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 84.6310, 0.2615, 0.3413 by changing the saturation by 10% instead.

 84.6310, 0.2615,
0.3413


 84.6310, 0.2615,
0.3413


510.4063, 0.2843,
0.3361

 63.5365, 0.2565,
0.3424


 139.8575, 0.2692,
0.3396

 46.2754, 0.2504,
0.3437


 174.7583, 0.2723,
0.3389

 32.4632, 0.2429,
0.3453


215.0301, 0.2750,
0.3383

 21.7155, 0.2333,
0.3472

261.0571, 0.2773,
0.3377

 13.6480, 0.2208,
0.3496

313.2239, 0.2793,
0.3372

 7.8763, 0.2036,
0.3526

371.9147, 0.2812,

 4.0159, 0.1790,

0.3368

0.3563

437.5141, 0.2828,
0.3364

1.6825, 0.1384,
0.3617

0.4123, 0.0000,
0.3560

84.6310, 0.2615,
0.3413

84.6310, 0.2615,
0.3413

82.2825, 0.2523,
0.3448

87.4995, 0.2723,
0.3379

80.4345, 0.2449,
0.3484

90.9343, 0.2845,
0.3348

79.0436, 0.2394,
0.3521

94.9591, 0.2977,
0.3319

78.0658, 0.2359,
0.3558

99.6009, 0.3116,
0.3292

■ 77.4482, 0.2343,
0.3595

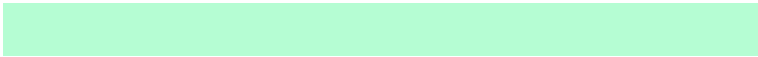
100.0000, 0.3127,
0.3290

■ 77.1216, 0.2341,
0.3628

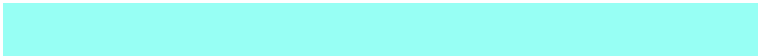
Harmonies

Analogous

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



84.6310, 0.2923, 0.3757



84.6310, 0.2615, 0.3413



84.6310, 0.2446, 0.3054

Triad

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



84.6310, 0.2615, 0.3413



84.6310, 0.2922, 0.2714



84.6310, 0.3852, 0.3743

Complementary

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



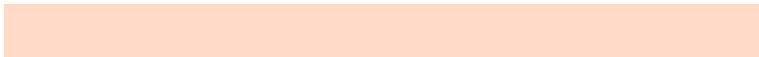
84.6310, 0.2615, 0.3413



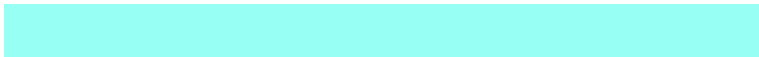
45.9874, 0.4063, 0.3177

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.



84.6310, 0.3860, 0.3454



84.6310, 0.2615, 0.3413



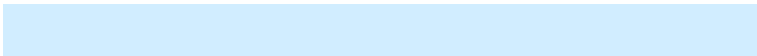
84.6310, 0.3304, 0.2882

Square

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



84.6310, 0.2615, 0.3413



84.6310, 0.2614, 0.2677



84.6310, 0.3655, 0.3145



84.6310, 0.3642, 0.3937

Rectangle

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



84.6310, 0.2615, 0.3413



84.6310, 0.2426, 0.2865



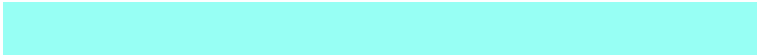
84.6310, 0.3655, 0.3145



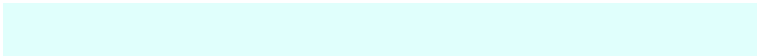
84.6310, 0.3880, 0.3653

Sweetspot

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



84.6260, 0.2615, 0.3413



94.4444, 0.2960, 0.3322



81.5497, 0.3136, 0.4530



20.0971, 0.2943, 0.3326



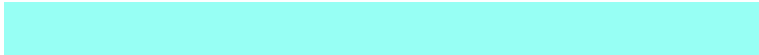
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.6260, 0.2615, 0.3413



82.6669, 0.2538, 0.3442



62.4559, 0.2491, 0.2822



20.4464, 0.2994, 0.3315



40.3111, 0.2340, 0.3622



3.9341, 0.2328, 0.3581

Inverse Universe

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



45.9874, 0.4063, 0.3177



39.2302, 0.4363, 0.3157



60.6852, 0.3998, 0.3709



18.0183, 0.3278, 0.3265



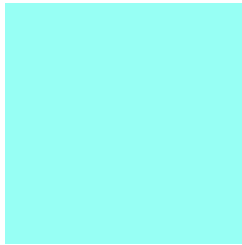
11.1602, 0.6279, 0.3233



1.0964, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 84.6310, 0.2615, 0.3413 looks on a white background.

Color Contrast Check

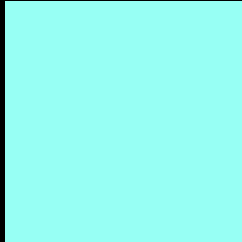
Large Text (above 18pt) WCAG AA × Fail

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 84.6310, 0.2615, 0.3413 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

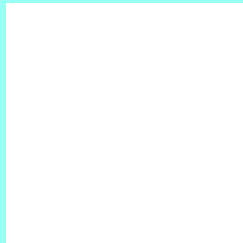
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6310, 0.2615, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 84.6310, 0.2615, 0.3413.

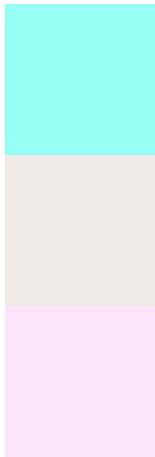


This preview shows how white text looks on a background with the Yxy color 84.6310, 0.2615, 0.3413.

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

84.6310, 0.2615, 0.3413

Protanopia

83.9436, 0.3186, 0.3321

Deuteranopia

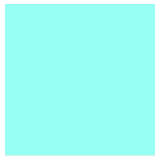
83.6362, 0.3150, 0.3085



Tritanopia

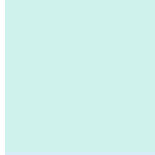
84.2007, 0.2797, 0.3173

Trichromacy



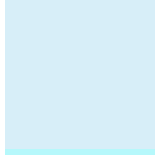
Original Color

84.6310, 0.2615, 0.3413



Protanomaly

82.9703, 0.2947, 0.3354



Deuteranomaly

82.3735, 0.2921, 0.3185



Tritanomaly

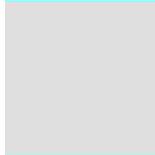
84.0449, 0.2723, 0.3256

Monochromacy



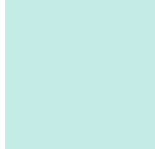
Original Color

84.6310, 0.2615, 0.3413



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0565, 0.2905, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6310, 0.2615, 0.3413 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(151, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 244)  
}
```

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(151, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 84.6310, 0.2615, 0.3413 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(151, 255, 244) }
```

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

```
.border{ border-color:rgb(151, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 255, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 255, 244); box-shadow:4px 4px 4px 4px rgb(151, 255, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6310, 0.2615, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 244) }
```

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

```
.background{ background-color: rgb(151,  
255, 244) }
```

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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