

Converting Colors

$Yxy(84.1673, 0.2616, 0.3448)$

Have a look what the booklet for
Yxy(84.1673, 0.2616, 0.3448)
contains.

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Color

Yxy(84.1668, 0.2616, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	94FFF1
RGB	148, 255, 241
RGB Percent	58%, 100%, 95%
CMY	0.4193, 0.0000, 0.0550
CMYK	0.42, 0.00, 0.05, 0.00
HSL	172°, 100%, 79%
HSV	172°, 42%, 100%
XYZ	63.8574, 84.1668, 96.0790
YIQ	221.4110, -59.2780, -27.0380

Conversions

Conversions Part 2

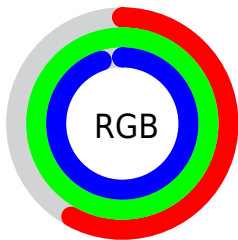
Format	Color
RYB	148, 205, 255
Decimal	9764849
CIELab	93.52, -34.16, -3.00
CIELCh	94, 34.293, 185.017
Yxy	84.1668, 0.2616, 0.3448
Android (android.graphics.Color)	4287954929 (0xFF94FFF1)
YUV	221.4110, 9.6574, -64.3814
Hunter-Lab	91.7425, -36.3043, 2.1271

Details

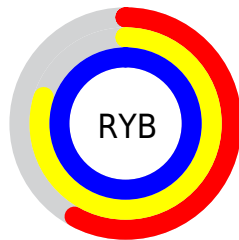
The Yxy color **84.1668, 0.2616, 0.3448** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.0772, 0.4073, 0.3146**, and the grayscale version is **72.5860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **46.0148, 0.2503, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **81.8488, 0.2528, 0.3492**, and if you desaturate by 10%, it is **87.0189, 0.2720, 0.3406**.

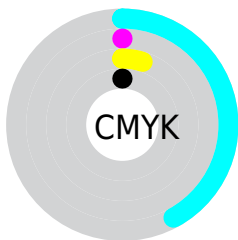
Distribution



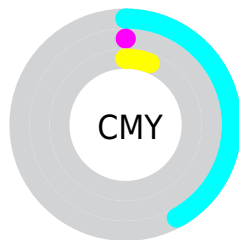
- Red (58%)
- Green (100%)
- Blue (95%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1668, 0.2616, 0.3448 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 84.1668, 0.2616, 0.3448 by changing the saturation by 10% instead.


 84.1668, 0.2616,
0.3448


 84.1668, 0.2616,
0.3448


508.8670, 0.2844,
0.3379

 63.1532, 0.2566,
0.3463


 139.2085, 0.2694,
0.3425

 45.9651, 0.2505,
0.3480


 174.0053, 0.2724,
0.3416

 32.2183, 0.2429,
0.3502


214.1653, 0.2751,
0.3408

 21.5283, 0.2333,
0.3529

260.0729, 0.2774,
0.3401

 13.5107, 0.2206,
0.3564

312.1125, 0.2795,
0.3394

 7.7812, 0.2033,
0.3609

370.6684, 0.2813,

 3.9552, 0.1783,

0.3389

0.3670

436.1251, 0.2829,
0.3384

■ 1.6486, 0.1348,
0.3773

■ 0.3900, 0.0000,
0.3808

■ 84.1668, 0.2616,
0.3448

■ 84.1668, 0.2616,
0.3448

■ 81.8488, 0.2528,
0.3492

■ 87.0189, 0.2720,
0.3406

■ 80.0202, 0.2458,
0.3538

■ 90.4268, 0.2838,
0.3366

■ 78.6453, 0.2407,
0.3584

■ 94.4229, 0.2965,
0.3330

■ 77.6792, 0.2376,
0.3631

■ 99.0343, 0.3101,
0.3296

■ 77.0678, 0.2364,
0.3677

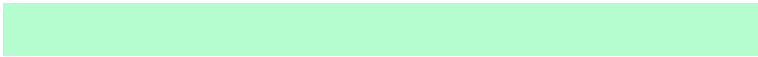
99.9971, 0.3127,
0.3290

■ 76.7673, 0.2365,
0.3714

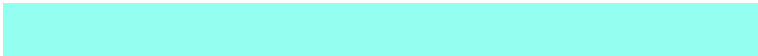
Harmonies

Analogous

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



84.1668, 0.2944, 0.3800



84.1668, 0.2616, 0.3448



84.1668, 0.2428, 0.3071

Triad

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



84.1668, 0.2616, 0.3448



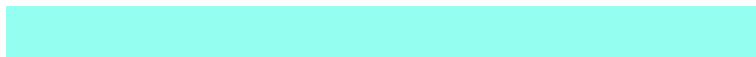
84.1668, 0.2884, 0.2685



84.1668, 0.3890, 0.3738

Complementary

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



84.1668, 0.2616, 0.3448



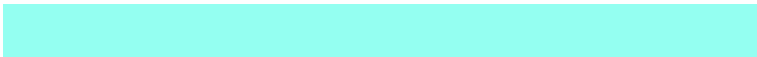
45.0772, 0.4073, 0.3146

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.



84.1668, 0.3880, 0.3433



84.1668, 0.2616, 0.3448



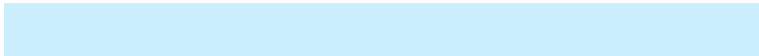
84.1668, 0.3279, 0.2849

Square

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



84.1668, 0.2616, 0.3448



84.1668, 0.2575, 0.2658



84.1668, 0.3652, 0.3115



84.1668, 0.3684, 0.3951

Rectangle

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



84.1668, 0.2616, 0.3448



84.1668, 0.2399, 0.2868



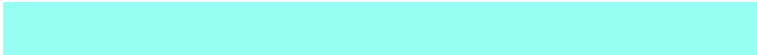
84.1668, 0.3652, 0.3115



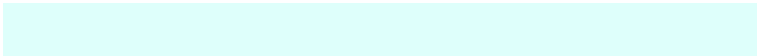
84.1668, 0.3912, 0.3642

Sweetspot

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



84.1701, 0.2616, 0.3448



93.9691, 0.2951, 0.3333



81.3746, 0.3146, 0.4565



19.9164, 0.2923, 0.3341



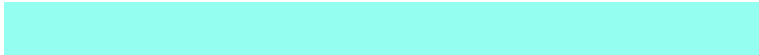
0.0000, 0.0000, 0.0000



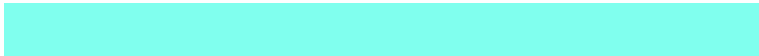
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1701, 0.2616, 0.3448



82.2601, 0.2543, 0.3484



62.5296, 0.2478, 0.2828



20.4381, 0.2998, 0.3321



40.1302, 0.2363, 0.3706



3.9183, 0.2348, 0.3654

Inverse Universe

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



45.0772, 0.4073, 0.3146



38.5885, 0.4364, 0.3122



59.0612, 0.4038, 0.3702



18.0258, 0.3274, 0.3259



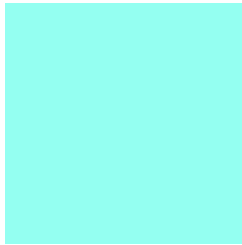
11.1793, 0.6235, 0.3209



1.0999, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 84.1668, 0.2616, 0.3448 looks on a white background.

Color Contrast Check

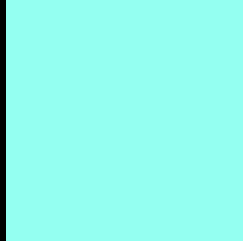
Large Text (above 18pt) WCAG AA × Fail

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 84.1668, 0.2616, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

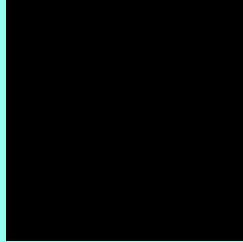
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

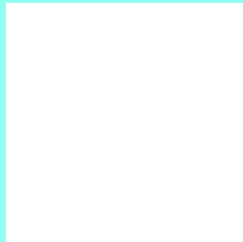
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1668, 0.2616, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 84.1668, 0.2616, 0.3448.

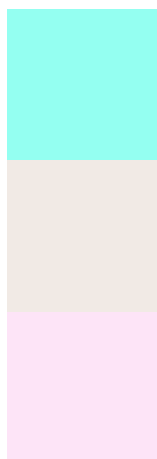


This preview shows how white text looks on a background with the Yxy color 84.1668, 0.2616, 0.3448.

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

84.1668, 0.2616, 0.3448

Protanopia

83.2036, 0.3206, 0.3341

Deuteranopia

83.0849, 0.3177, 0.3104



Tritanopia

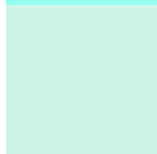
83.9271, 0.2786, 0.3173

Trichromacy



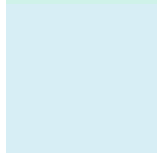
Original Color

84.1668, 0.2616, 0.3448



Protanomaly

82.6529, 0.2958, 0.3386



Deuteranomaly

82.1887, 0.2938, 0.3216



Tritanomaly

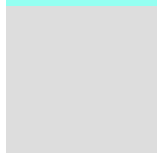
83.7402, 0.2717, 0.3267

Monochromacy



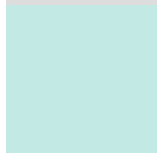
Original Color

84.1668, 0.2616, 0.3448



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3486, 0.2903, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1668, 0.2616, 0.3448 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(148, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 241)  
}
```

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(148, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 84.1668, 0.2616, 0.3448 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(148, 255, 241) }
```

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

```
.border{ border-color:rgb(148, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(148, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1668, 0.2616, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 241) }
```

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

```
.background{ background-color: rgb(148,  
255, 241) }
```

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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