

Converting Colors

$Yxy(84.5405, 0.2644, 0.3242)$

Have a look what the booklet for
Yxy(84.5405, 0.2644, 0.3242)
contains.

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Color

Yxy(84.7604, 0.2646, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	AAFBFF
RGB	170, 251, 255
RGB Percent	67%, 98%, 100%
CMY	0.3336, 0.0156, 0.0000
CMYK	0.33, 0.02, 0.00, 0.00
HSL	183°, 100%, 83%
HSV	183°, 33%, 100%
XYZ	69.1143, 84.7604, 107.3283
YIQ	227.2370, -49.5600, -15.9280

Conversions

Conversions Part 2

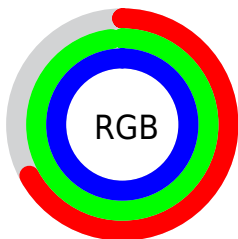
Format	Color
RYB	170, 211, 255
Decimal	11205631
CIELab	93.78, -23.57, -9.77
CIELCh	94, 25.512, 202.513
Yxy	84.7604, 0.2646, 0.3245
Android (android.graphics.Color)	4289395711 (0xFFAAFBFF)
YUV	227.2370, 13.6872, -50.1968
Hunter-Lab	92.0654, -27.1129, -4.6735

Details

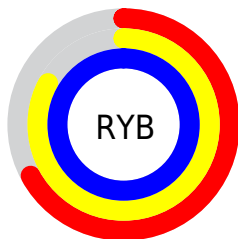
The Yxy color **84.7604, 0.2646, 0.3245** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.4010, 0.3899, 0.3334**, and the grayscale version is **76.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.2382, 0.2545, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **81.4493, 0.2528, 0.3230**, and if you desaturate by 10%, it is **88.6334, 0.2778, 0.3260**.

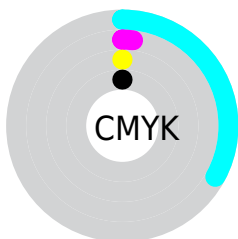
Distribution



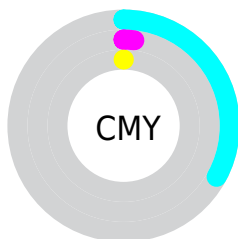
- Red (67%)
- Green (98%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7604, 0.2646, 0.3245 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 84.7604, 0.2646, 0.3245 by changing the saturation by 10% instead.


 84.7604, 0.2646,
0.3245

 84.7604, 0.2646,
0.3245


510.8349, 0.2859,
0.3269

 63.6434, 0.2599,
0.3239


 140.0384, 0.2718,
0.3254

 46.3619, 0.2543,
0.3231


174.9682, 0.2747,
0.3257

 32.5315, 0.2473,
0.3220


215.2710, 0.2772,
0.3260

 21.7678, 0.2385,
0.3205

261.3313, 0.2793,
0.3263

 13.6864, 0.2269,
0.3183

313.5334, 0.2813,
0.3265

 7.9029, 0.2112,
0.3150

372.2618, 0.2830,

 4.0329, 0.1886,

0.3266

0.3093

437.9009, 0.2845,
0.3268

1.6920, 0.1542,
0.2982

0.4184, 0.0000,
0.2669

84.7604, 0.2646,
0.3245

84.7604, 0.2646,
0.3245

81.4493, 0.2528,
0.3230

88.6334, 0.2778,
0.3260

78.6589, 0.2428,
0.3214

93.0885, 0.2922,
0.3273

76.3570, 0.2346,
0.3198

98.1562, 0.3075,
0.3286

74.5039, 0.2283,
0.3182

100.0000, 0.3127,
0.3290

■ 73.0536, 0.2240,
0.3166

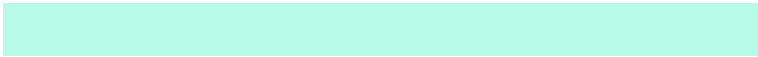
■ 71.9502, 0.2215,
0.3151

■ 71.3557, 0.2206,
0.3140

Harmonies

Analogous

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



84.7604, 0.2840, 0.3523



84.7604, 0.2646, 0.3245



84.7604, 0.2577, 0.2997

Triad

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



84.7604, 0.2646, 0.3245



84.7604, 0.3117, 0.2893



84.7604, 0.3624, 0.3733

Complementary

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



84.7604, 0.2646, 0.3245



54.4010, 0.3899, 0.3334

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.



84.7604, 0.3710, 0.3543



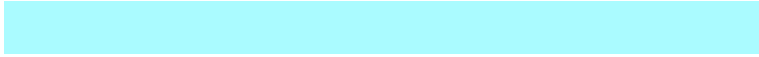
84.7604, 0.2646, 0.3245



84.7604, 0.3410, 0.3069

Square

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



84.7604, 0.2646, 0.3245



84.7604, 0.2840, 0.2810



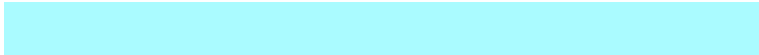
84.7604, 0.3631, 0.3302



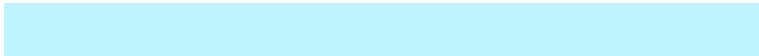
84.7604, 0.3403, 0.3812

Rectangle

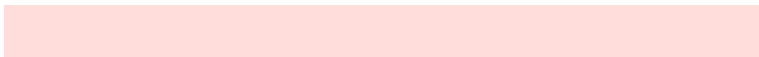
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7604, 0.2646, 0.3245



84.7604, 0.2608, 0.2882



84.7604, 0.3631, 0.3302



84.7604, 0.3670, 0.3679

Sweetspot

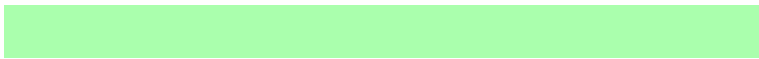
The Sweet Spot groups the original color and five complimentary colors.



84.7634, 0.2646, 0.3245



94.7208, 0.2973, 0.3278



83.0672, 0.3066, 0.4255



20.1261, 0.2951, 0.3276



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.



84.7634, 0.2646, 0.3245



82.5022, 0.2566, 0.3235



61.6709, 0.2585, 0.2769



20.3270, 0.2980, 0.3278



37.3487, 0.2206, 0.3143



3.6797, 0.2211, 0.3161

Inverse Universe

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



56.9516, 0.3197, 0.2494



50.9586, 0.3212, 0.2341



72.9155, 0.3756, 0.3758



18.2848, 0.3145, 0.3067



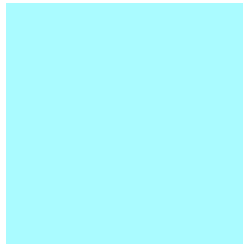
14.4983, 0.3330, 0.1608



1.4160, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 84.7604, 0.2646, 0.3245 looks on a white background.

Color Contrast Check

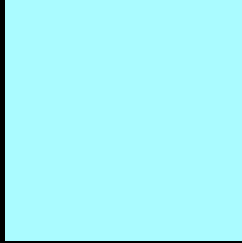
Large Text (above 18pt) WCAG AA × Fail

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 84.7604, 0.2646, 0.3245 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 84.7604, 0.2646, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 84.7604, 0.2646, 0.3245.

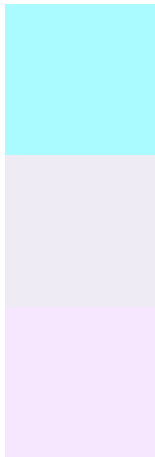


This preview shows how white text looks on a background with the Yxy color 84.7604, 0.2646, 0.3245.

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

84.7604, 0.2646, 0.3245

Protanopia

84.1864, 0.3085, 0.3189

Deuteranopia

83.9647, 0.3078, 0.3054



Tritanopia

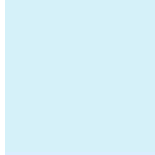
84.1586, 0.2819, 0.3163

Trichromacy



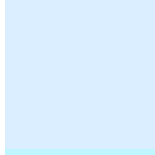
Original Color

84.7604, 0.2646, 0.3245



Protanomaly

83.8963, 0.2904, 0.3206



Deuteranomaly

83.2745, 0.2900, 0.3114



Tritanomaly

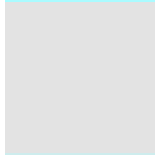
84.3380, 0.2754, 0.3193

Monochromacy



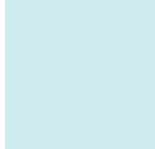
Original Color

84.7604, 0.2646, 0.3245



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.2271, 0.2927, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7604, 0.2646, 0.3245 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(170, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 251, 255)  
}
```

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(170, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.7604, 0.2646, 0.3245 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(170, 251, 255) }
```

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

```
.border{ border-color:rgb(170, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7604, 0.2646, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 251, 255) }
```

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

```
.background{ background-color: rgb(170,  
251, 255) }
```

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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