

Converting Colors

$Yxy(84.2678, 0.2608, 0.3357)$

Have a look what the booklet for
Yxy(84.2678, 0.2608, 0.3357)
contains.

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Color

Yxy(84.5310, 0.2609, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	9AFEF8
RGB	154, 254, 248
RGB Percent	60%, 100%, 97%
CMY	0.3958, 0.0039, 0.0276
CMYK	0.39, 0.00, 0.02, 0.00
HSL	176°, 98%, 80%
HSV	176°, 39%, 100%
XYZ	65.7155, 84.5310, 101.6337
YIQ	223.4160, -57.6740, -23.0660

Conversions

Conversions Part 2

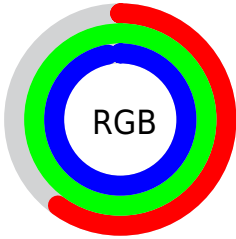
Format	Color
RYB	154, 206, 254
Decimal	10157816
CIELab	93.68, -30.63, -6.35
CIELCh	94, 31.287, 191.719
Yxy	84.5310, 0.2609, 0.3356
Android (android.graphics.Color)	4288347896 (0xFF9AFE8)
YUV	223.4160, 12.1199, -60.8778
Hunter-Lab	91.9407, -33.3117, -1.1822

Details

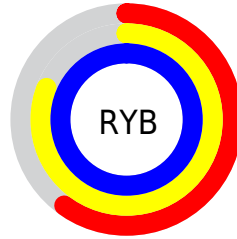
The Yxy color **84.5310, 0.2609, 0.3356** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7430, 0.4061, 0.3229**, and the grayscale version is **74.0560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **46.2251, 0.2495, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **82.2043, 0.2511, 0.3375**, and if you desaturate by 10%, it is **87.3925, 0.2724, 0.3337**.

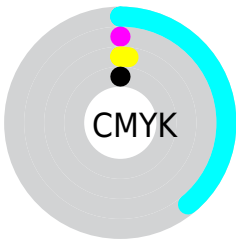
Distribution



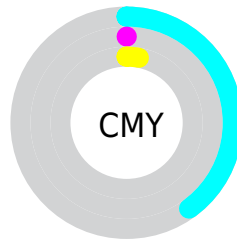
- Red (60%)
- Green (100%)
- Blue (97%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5310, 0.2609, 0.3356 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 84.5310, 0.2609, 0.3356 by changing the saturation by 10% instead.


 84.5310, 0.2609,
0.3356


 84.5310, 0.2609,
0.3356


510.0749, 0.2839,
0.3330

 63.4539, 0.2559,
0.3361


 139.7177, 0.2687,
0.3348

 46.2085, 0.2498,
0.3366


 174.5962, 0.2718,
0.3345

 32.4104, 0.2422,
0.3372


214.8439, 0.2745,
0.3342

 21.6752, 0.2326,
0.3379

260.8452, 0.2768,
0.3339

 13.6184, 0.2200,
0.3386

312.9846, 0.2789,
0.3336

 7.8558, 0.2029,
0.3392

371.6464, 0.2808,

 4.0028, 0.1784,

0.3334

437.2150, 0.2824,
0.3332

0.3393

1.6751, 0.1395,
0.3379

0.4075, 0.0000,
0.3146

84.5310, 0.2609,
0.3356

84.5310, 0.2609,
0.3356

82.2043, 0.2511,
0.3375

87.3925, 0.2724,
0.3337

80.3687, 0.2431,
0.3396

90.8094, 0.2852,
0.3320

78.9904, 0.2370,
0.3416

94.8133, 0.2990,
0.3304

78.0265, 0.2329,
0.3436

99.3050, 0.3133,
0.3289

■ 77.4264, 0.2307,
0.3457

99.3629, 0.3128,
0.3281

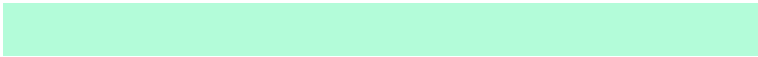
■ 77.1124, 0.2300,
0.3477

■ 77.0958, 0.2299,
0.3478

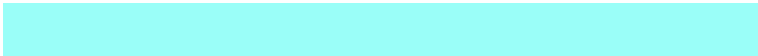
Harmonies

Analogous

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



84.5310, 0.2886, 0.3690



84.5310, 0.2609, 0.3356



84.5310, 0.2470, 0.3025

Triad

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



84.5310, 0.2609, 0.3356



84.5310, 0.2983, 0.2758



84.5310, 0.3796, 0.3755

Complementary

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



84.5310, 0.2609, 0.3356



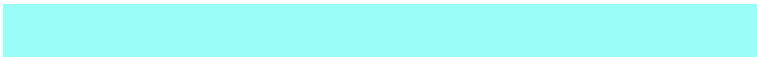
46.7430, 0.4061, 0.3229

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.



84.5310, 0.3833, 0.3490



84.5310, 0.2609, 0.3356



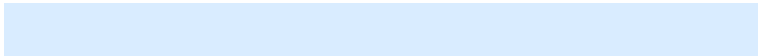
84.5310, 0.3348, 0.2934

Square

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



84.5310, 0.2609, 0.3356



84.5310, 0.2676, 0.2704



84.5310, 0.3666, 0.3195



84.5310, 0.3574, 0.3916

Rectangle

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



84.5310, 0.2609, 0.3356



84.5310, 0.2467, 0.2856



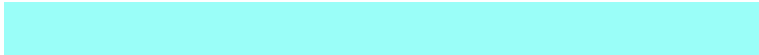
84.5310, 0.3666, 0.3195



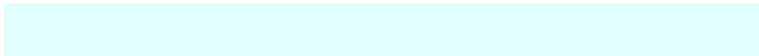
84.5310, 0.3831, 0.3674

Sweetspot

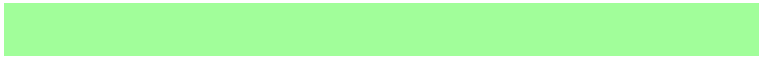
The Sweet Spot groups the original color and five complimentary colors.



84.5343, 0.2609, 0.3356



94.5330, 0.2953, 0.3308



80.7664, 0.3108, 0.4489



20.1181, 0.2934, 0.3310



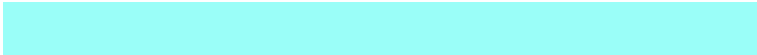
0.0000, 0.0000, 0.0000



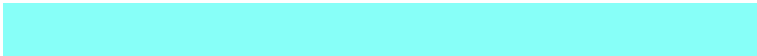
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5343, 0.2609, 0.3356



83.4464, 0.2532, 0.3371



60.4674, 0.2503, 0.2780



20.4614, 0.2988, 0.3304



40.6543, 0.2299, 0.3475



3.9639, 0.2292, 0.3452

Inverse Universe

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



46.7430, 0.4061, 0.3229



40.5943, 0.4348, 0.3219



63.5052, 0.3936, 0.3744



18.0048, 0.3285, 0.3276



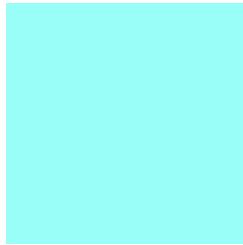
11.1342, 0.6340, 0.3266



1.0901, 0.6199, 0.3189

Previews

White Background



This preview shows how the Yxy color 84.5310, 0.2609, 0.3356 looks on a white background.

Color Contrast Check

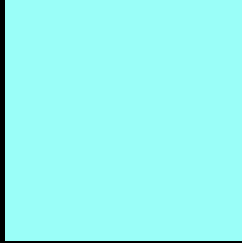
Large Text (above 18pt) WCAG AA × Fail

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 84.5310, 0.2609, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

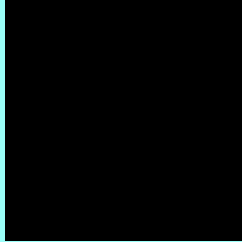
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5310, 0.2609, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 84.5310, 0.2609, 0.3356.

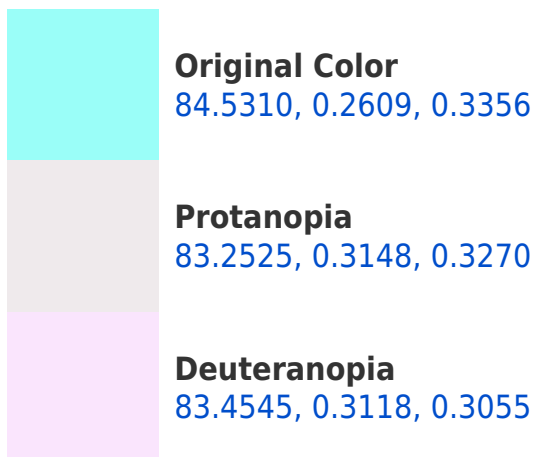


This preview shows how white text looks on a background with the Yxy color 84.5310, 0.2609, 0.3356.

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

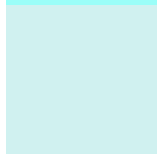
84.2007, 0.2797, 0.3173

Trichromacy



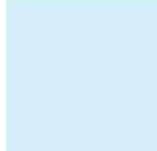
Original Color

84.5310, 0.2609, 0.3356



Protanomaly

82.6118, 0.2924, 0.3300



Deuteranomaly

82.5612, 0.2904, 0.3154



Tritanomaly

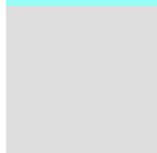
84.2304, 0.2723, 0.3246

Monochromacy



Original Color

84.5310, 0.2609, 0.3356



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.6776, 0.2905, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5310, 0.2609, 0.3356 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(154, 254, 248)` looks like.

```
.text, #text, p{  
    color:rgb(154, 254, 248)  
}
```

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(154, 254, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 254, 248) }
```

Border

The CSS property to change the border of an element to Yxy 84.5310, 0.2609, 0.3356 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(154, 254, 248) }
```

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

```
.border{ border-color:rgb(154, 254, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 254, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 254, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 254, 248); box-shadow:4px 4px 4px 4px rgb(154, 254, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5310, 0.2609, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 254, 248) }
```

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

```
.background{ background-color: rgb(154,  
254, 248) }
```

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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