

Converting Colors

$Y_{xy}(100.0000, 0.2639, 0.3607)$

Have a look what the booklet for
Yxy(100.0000, 0.2639, 0.3607)
contains.

Yxy(84.9727, 0.2601, 0.3367)	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(84.9727, 0.2601, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	98FFF8
RGB	152, 255, 248
RGB Percent	60%, 100%, 97%
CMY	0.4042, 0.0000, 0.0274
CMYK	0.40, 0.00, 0.03, 0.00
HSL	176°, 100%, 80%
HSV	176°, 40%, 100%
XYZ	65.6412, 84.9727, 101.7552
YIQ	223.4050, -59.1410, -24.0130

Conversions

Conversions Part 2

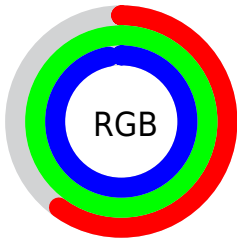
Format	Color
RYB	152, 205, 255
Decimal	10027000
CIELab	93.87, -31.62, -6.10
CIELCh	94, 32.207, 190.924
Yxy	84.9727, 0.2601, 0.3367
Android (android.graphics.Color)	4288217080 (0xFF98FFF8)
YUV	223.4050, 12.1253, -62.6222
Hunter-Lab	92.1806, -34.2074, -0.9219

Details

The Yxy color **84.9727, 0.2601, 0.3367** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.1899, 0.4092, 0.3219**, and the grayscale version is **74.0203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.5736, 0.2488, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **82.6586, 0.2505, 0.3389**, and if you desaturate by 10%, it is **87.8021, 0.2713, 0.3346**.

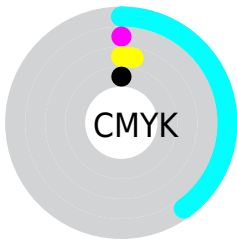
Distribution



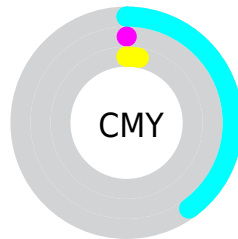
- Red (60%)
- Green (100%)
- Blue (97%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9727, 0.2601, 0.3367 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 84.9727, 0.2601, 0.3367 by changing the saturation by 10% instead.


 84.9727, 0.2601,
0.3367


 84.9727, 0.2601,
0.3367


511.5377, 0.2835,
0.3336

 63.8188, 0.2550,
0.3373


 140.3350, 0.2680,
0.3357

 46.5039, 0.2488,
0.3380

 175.3123, 0.2711,
0.3353

 32.6437, 0.2411,
0.3388


215.6661, 0.2739,
0.3350

 21.8536, 0.2314,
0.3396

261.7809, 0.2763,
0.3346

 13.7494, 0.2187,
0.3406

314.0411, 0.2784,
0.3343

 7.9466, 0.2014,
0.3416

372.8310, 0.2802,

 4.0608, 0.1767,

0.3341

438.5351, 0.2819,
0.3338

0.3423

1.7076, 0.1376,
0.3417

0.4286, 0.0000,
0.3242

84.9727, 0.2601,
0.3367

84.9727, 0.2601,
0.3367

82.6586, 0.2505,
0.3389

87.8021, 0.2713,
0.3346

80.8472, 0.2428,
0.3412

91.1996, 0.2839,
0.3326

79.4931, 0.2370,
0.3435

95.1869, 0.2976,
0.3308

78.5525, 0.2331,
0.3458

99.7907, 0.3121,
0.3291

■ 77.9729, 0.2311,
0.3481

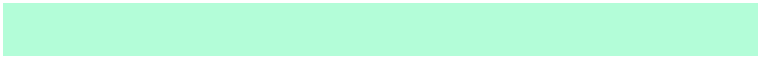
100.0000, 0.3127,
0.3290

■ 77.6759, 0.2306,
0.3502

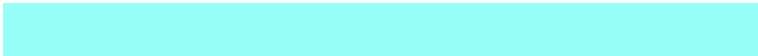
Harmonies

Analogous

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



84.9727, 0.2889, 0.3709



84.9727, 0.2601, 0.3367



84.9727, 0.2454, 0.3025

Triad

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



84.9727, 0.2601, 0.3367



84.9727, 0.2969, 0.2741



84.9727, 0.3818, 0.3761

Complementary

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



84.9727, 0.2601, 0.3367



46.1899, 0.4092, 0.3219

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.



84.9727, 0.3851, 0.3486



84.9727, 0.2601, 0.3367



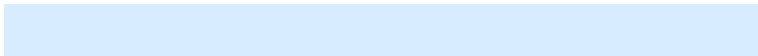
84.9727, 0.3344, 0.2919

Square

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



84.9727, 0.2601, 0.3367



84.9727, 0.2657, 0.2690



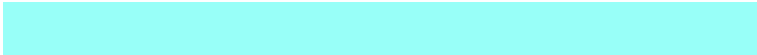
84.9727, 0.3674, 0.3184



84.9727, 0.3594, 0.3931

Rectangle

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



84.9727, 0.2601, 0.3367



84.9727, 0.2449, 0.2850



84.9727, 0.3674, 0.3184



84.9727, 0.3853, 0.3677

Sweetspot

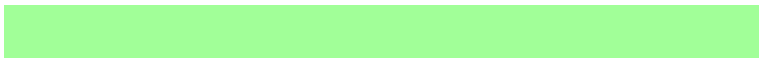
The Sweet Spot groups the original color and five complimentary colors.



84.9654, 0.2601, 0.3367



94.5184, 0.2954, 0.3310



81.3104, 0.3117, 0.4524



20.1147, 0.2936, 0.3313



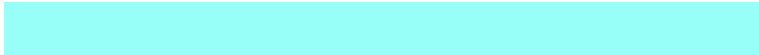
0.0000, 0.0000, 0.0000



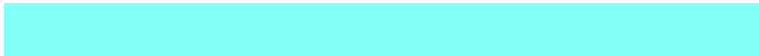
21.4041, 0.3127, 0.3290

Same Dimension

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



84.9654, 0.2601, 0.3367



82.9560, 0.2518, 0.3386



60.9991, 0.2490, 0.2785



20.4589, 0.2989, 0.3306



40.5964, 0.2305, 0.3498



3.9589, 0.2298, 0.3472

Inverse Universe

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



46.1899, 0.4092, 0.3219



39.0887, 0.4418, 0.3207



62.4958, 0.3972, 0.3740



18.0070, 0.3284, 0.3274



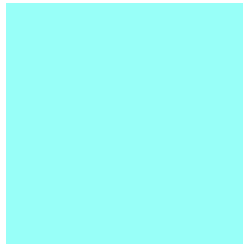
11.1378, 0.6331, 0.3262



1.0911, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 84.9727, 0.2601, 0.3367 looks on a white background.

Color Contrast Check

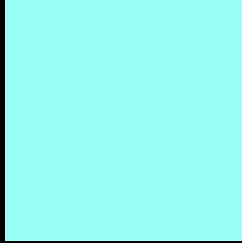
Large Text (above 18pt) WCAG AA × Fail

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 84.9727, 0.2601, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

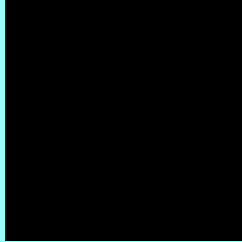
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9727, 0.2601, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 84.9727, 0.2601, 0.3367.

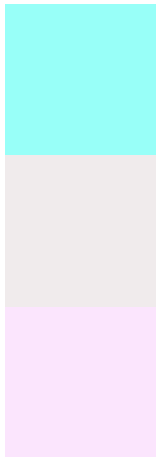


This preview shows how white text looks on a background with the Yxy color 84.9727, 0.2601, 0.3367.

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

84.9727, 0.2601, 0.3367

Protanopia

83.9981, 0.3154, 0.3280

Deuteranopia

83.6397, 0.3125, 0.3055



Tritanopia

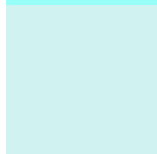
84.3389, 0.2803, 0.3173

Trichromacy



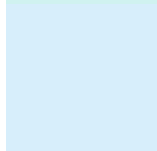
Original Color

84.9727, 0.2601, 0.3367



Protanomaly

83.2054, 0.2924, 0.3311



Deuteranomaly

82.5612, 0.2904, 0.3154



Tritanomaly

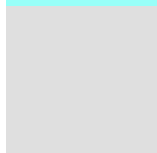
84.2304, 0.2723, 0.3246

Monochromacy



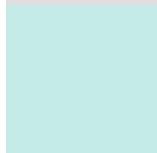
Original Color

84.9727, 0.2601, 0.3367



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1132, 0.2900, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9727, 0.2601, 0.3367 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(152, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 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(152, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 84.9727, 0.2601, 0.3367 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(152, 255, 248) }
```

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

```
.border{ border-color:rgb(152, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9727, 0.2601, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 248) }
```

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

```
.background{ background-color: rgb(152,  
255, 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](#).

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