

Converting Colors

$Y_{xy}(84.5450, 0.2670, 0.3504)$

Have a look what the booklet for
Yxy(84.5450, 0.2670, 0.3504)
contains.

Yxy(84.5447, 0.2670, 0.3505)	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(84.5447, 0.2670, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	9BFFEC
RGB	155, 255, 236
RGB Percent	61%, 100%, 93%
CMY	0.3925, 0.0000, 0.0746
CMYK	0.39, 0.00, 0.07, 0.00
HSL	169°, 100%, 80%
HSV	169°, 39%, 100%
XYZ	64.4035, 84.5447, 92.2635
YIQ	222.9340, -53.5010, -27.1090

Conversions

Conversions Part 2

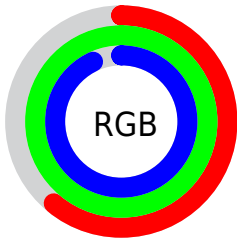
Format	Color
RYB	155, 210, 255
Decimal	10223596
CIELab	93.69, -33.62, -0.14
CIElCh	94, 33.623, 180.243
Yxy	84.5447, 0.2670, 0.3505
Android (android.graphics.Color)	4288413676 (0xFF9BFEC)
YUV	222.9340, 6.4415, -59.5781
Hunter-Lab	91.9482, -35.8821, 4.8704

Details

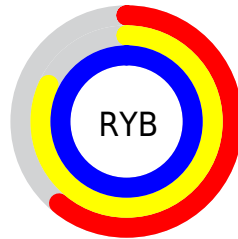
The Yxy color **84.5447, 0.2670, 0.3505** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.7304, 0.3925, 0.3092**, and the grayscale version is **73.7045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **46.2801, 0.2573, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **81.9972, 0.2582, 0.3569**, and if you desaturate by 10%, it is **87.6144, 0.2772, 0.3444**.

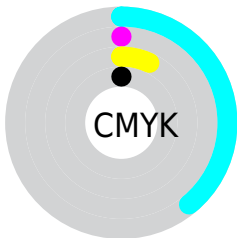
Distribution



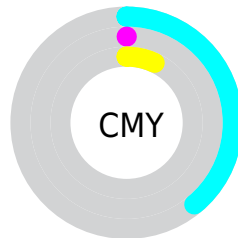
- Red (61%)
- Green (100%)
- Blue (93%)



- Red (61%)
- Yellow (82%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5447, 0.2670, 0.3505 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 84.5447, 0.2670, 0.3505 by changing the saturation by 10% instead.


 84.5447, 0.2670,
0.3505


 84.5447, 0.2670,
0.3505


510.1203, 0.2875,
0.3409

 63.4652, 0.2625,
0.3526

 139.7369, 0.2740,
0.3472

 46.2177, 0.2570,
0.3552


 174.6184, 0.2767,
0.3459

 32.4176, 0.2501,
0.3584

214.8694, 0.2791,
0.3448

 21.6807, 0.2413,
0.3625

260.8742, 0.2812,
0.3438

 13.6225, 0.2297,
0.3679

313.0174, 0.2831,
0.3430

 7.8586, 0.2138,
0.3754

371.6832, 0.2847,

 4.0046, 0.1904,

0.3422

437.2560, 0.2862,
0.3415

0.3863

1.6761, 0.1498,
0.4053

0.4081, 0.0000,
0.4732

84.5447, 0.2670,
0.3505

84.5447, 0.2670,
0.3505

81.9972, 0.2582,
0.3569

87.6144, 0.2772,
0.3444

79.9650, 0.2512,
0.3637

91.2643, 0.2886,
0.3387

78.4014, 0.2460,
0.3706

95.5139, 0.3009,
0.3334

77.2633, 0.2429,
0.3776

100.0000, 0.3127,
0.3290

■ 76.4994, 0.2417,
0.3846

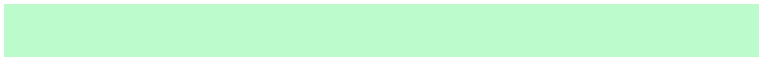
■ 76.0324, 0.2422,
0.3915

■ 76.0022, 0.2422,
0.3920

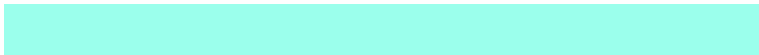
Harmonies

Analogous

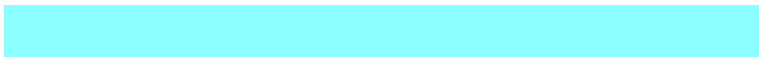
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5447, 0.3008, 0.3831



84.5447, 0.2670, 0.3505



84.5447, 0.2460, 0.3131

Triad

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



84.5447, 0.2670, 0.3505



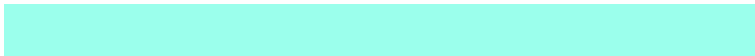
84.5447, 0.2834, 0.2683



84.5447, 0.3887, 0.3686

Complementary

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



84.5447, 0.2670, 0.3505



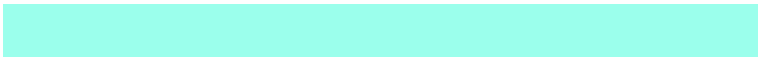
47.7304, 0.3925, 0.3092

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.



84.5447, 0.3842, 0.3380



84.5447, 0.2670, 0.3505



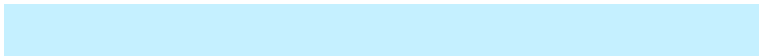
84.5447, 0.3213, 0.2824

Square

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



84.5447, 0.2670, 0.3505



84.5447, 0.2550, 0.2681



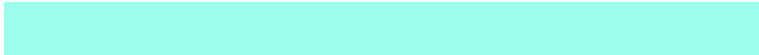
84.5447, 0.3589, 0.3073



84.5447, 0.3717, 0.3914

Rectangle

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



84.5447, 0.2670, 0.3505



84.5447, 0.2413, 0.2919



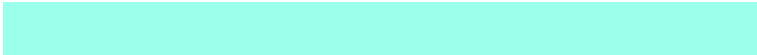
84.5447, 0.3589, 0.3073



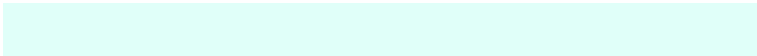
84.5447, 0.3898, 0.3588

Sweetspot

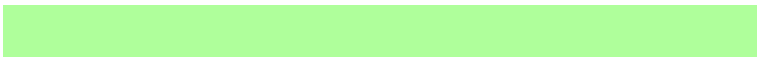
The Sweet Spot groups the original color and five complimentary colors.



84.5357, 0.2670, 0.3505



94.2823, 0.2974, 0.3348



82.9906, 0.3187, 0.4457



20.0588, 0.2958, 0.3355



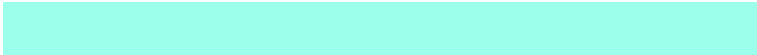
0.0000, 0.0000, 0.0000



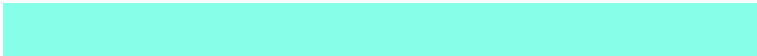
21.4041, 0.3127, 0.3290

Same Dimension

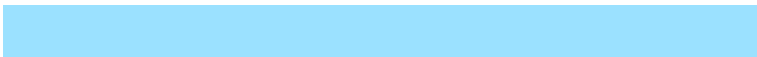
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5357, 0.2670, 0.3505



82.5221, 0.2601, 0.3555



68.0185, 0.2530, 0.2943



20.4188, 0.3005, 0.3336



39.7339, 0.2419, 0.3908



3.8833, 0.2397, 0.3829

Inverse Universe

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



47.7304, 0.3925, 0.3092



41.0960, 0.4171, 0.3056



58.2989, 0.3990, 0.3607



18.0435, 0.3264, 0.3245



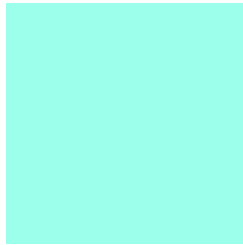
11.2383, 0.6105, 0.3137



1.1085, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 84.5447, 0.2670, 0.3505 looks on a white background.

Color Contrast Check

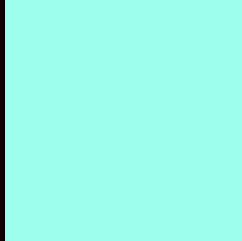
Large Text (above 18pt) WCAG AA × Fail

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 84.5447, 0.2670, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

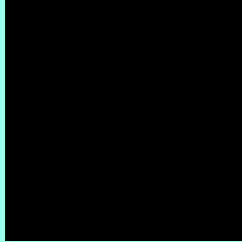
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5447, 0.2670, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 84.5447, 0.2670, 0.3505.

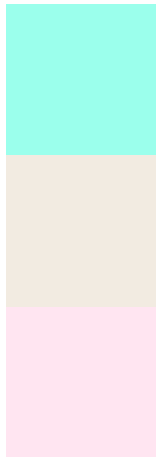


This preview shows how white text looks on a background with the Yxy color 84.5447, 0.2670, 0.3505.

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

84.5447, 0.2670, 0.3505

Protanopia

83.7301, 0.3238, 0.3392

Deuteranopia

83.6495, 0.3229, 0.3173



Tritanopia

84.3389, 0.2803, 0.3173

Trichromacy



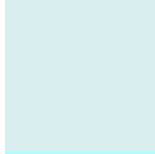
Original Color

84.5447, 0.2670, 0.3505



Protanomaly

82.8630, 0.2999, 0.3429



Deuteranomaly

82.4411, 0.2998, 0.3279



Tritanomaly

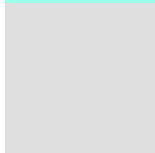
84.1025, 0.2748, 0.3289

Monochromacy



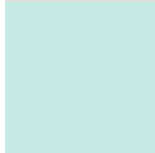
Original Color

84.5447, 0.2670, 0.3505



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0239, 0.2929, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5447, 0.2670, 0.3505 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(155, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 236)  
}
```

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(155, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 84.5447, 0.2670, 0.3505 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(155, 255, 236) }
```

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

```
.border{ border-color:rgb(155, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5447, 0.2670, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 236) }
```

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

```
.background{ background-color: rgb(155,  
255, 236) }
```

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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