

Converting Colors

$Y_{xy}(105.6497, 0.2704, 0.3792)$

Have a look what the booklet for
Yxy(105.6497, 0.2704, 0.3792)
contains.

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Color

Yxy(84.7610, 0.2665, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFEE
RGB	156, 255, 238
RGB Percent	61%, 100%, 93%
CMY	0.3886, 0.0000, 0.0666
CMYK	0.39, 0.00, 0.07, 0.00
HSL	170°, 100%, 81%
HSV	170°, 39%, 100%
XYZ	64.8917, 84.7610, 93.8434
YIQ	223.4610, -53.5470, -26.2750

Conversions

Conversions Part 2

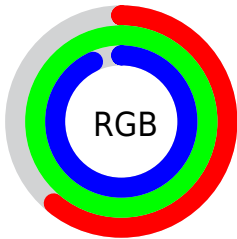
Format	Color
R _Y B	156, 210, 255
Decimal	10289134
CIE Lab	93.78, -32.92, -1.06
CIE LCh	94, 32.936, 181.837
Yxy	84.7610, 0.2665, 0.3481
Android (android.graphics.Color)	4288479214 (0xFF9CFFEE)
YUV	223.4610, 7.1677, -59.1633
Hunter-Lab	92.0657, -35.3009, 4.0112

Details

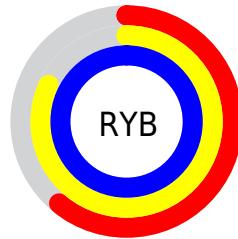
The Yxy color **84.7610, 0.2665, 0.3481** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.0198, 0.3932, 0.3114**, and the grayscale version is **74.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **46.4182, 0.2566, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **82.2188, 0.2575, 0.3539**, and if you desaturate by 10%, it is **87.8277, 0.2770, 0.3426**.

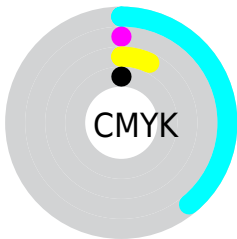
Distribution



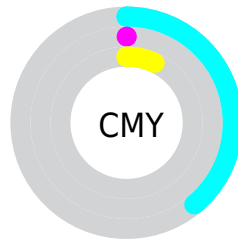
- Red (61%)
- Green (100%)
- Blue (93%)



- 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 84.7610, 0.2665, 0.3481 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 84.7610, 0.2665, 0.3481 by changing the saturation by 10% instead.


 84.7610, 0.2665,
0.3481


 84.7610, 0.2665,
0.3481


510.8369, 0.2872,
0.3396

 63.6439, 0.2619,
0.3500


 140.0392, 0.2735,
0.3452

 46.3623, 0.2564,
0.3522


 174.9691, 0.2763,
0.3441

 32.5318, 0.2495,
0.3550


215.2721, 0.2787,
0.3431

 21.7680, 0.2407,
0.3585

261.3326, 0.2808,
0.3422

 13.6866, 0.2291,
0.3632

313.5349, 0.2827,
0.3415

 7.9030, 0.2131,
0.3695

372.2634, 0.2844,

 4.0329, 0.1898,

0.3408

0.3786

437.9026, 0.2858,
0.3402

■ 1.6920, 0.1504,
0.3938

■ 0.4185, 0.0000,
0.4415

■ 84.7610, 0.2665,
0.3481

■ 84.7610, 0.2665,
0.3481

■ 82.2188, 0.2575,
0.3539

■ 87.8277, 0.2770,
0.3426

■ 80.1907, 0.2502,
0.3599

■ 91.4731, 0.2886,
0.3375

■ 78.6313, 0.2449,
0.3661

■ 95.7178, 0.3011,
0.3328

■ 77.4979, 0.2415,
0.3723

100.0000, 0.3127,
0.3290

■ 76.7395, 0.2401,
0.3785

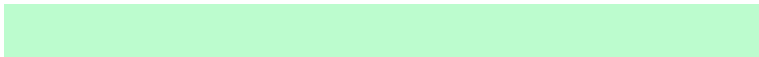
■ 76.2823, 0.2403,
0.3847

■ 76.2384, 0.2404,
0.3854

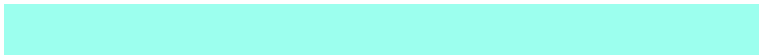
Harmonies

Analogous

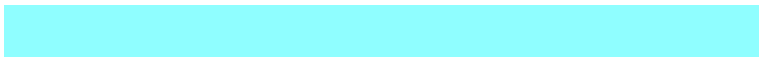
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7610, 0.2991, 0.3805



84.7610, 0.2665, 0.3481



84.7610, 0.2467, 0.3117

Triad

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



84.7610, 0.2665, 0.3481



84.7610, 0.2858, 0.2699



84.7610, 0.3867, 0.3693

Complementary

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



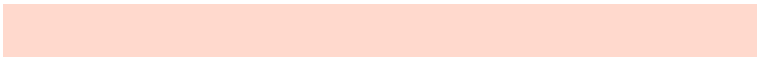
84.7610, 0.2665, 0.3481



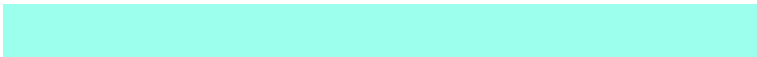
48.0198, 0.3932, 0.3114

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.



84.7610, 0.3835, 0.3396



84.7610, 0.2665, 0.3481



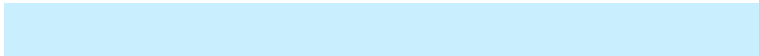
84.7610, 0.3232, 0.2844

Square

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



84.7610, 0.2665, 0.3481



84.7610, 0.2573, 0.2689



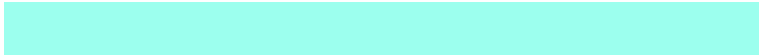
84.7610, 0.3596, 0.3092



84.7610, 0.3691, 0.3909

Rectangle

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



84.7610, 0.2665, 0.3481



84.7610, 0.2427, 0.2913



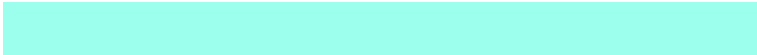
84.7610, 0.3596, 0.3092



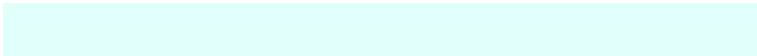
84.7610, 0.3881, 0.3599

Sweetspot

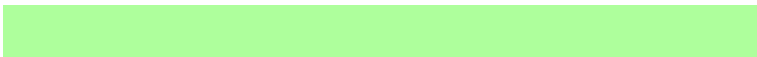
The Sweet Spot groups the original color and five complimentary colors.



84.7532, 0.2665, 0.3481



94.3181, 0.2971, 0.3342



82.9248, 0.3177, 0.4448



20.0672, 0.2955, 0.3348



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

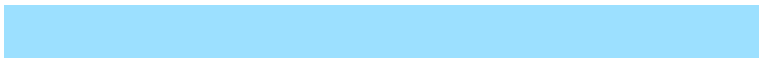
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7532, 0.2665, 0.3481



82.6505, 0.2591, 0.3528



67.3872, 0.2532, 0.2927



20.4249, 0.3003, 0.3331



39.8558, 0.2401, 0.3843



3.8941, 0.2381, 0.3773

Inverse Universe

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



48.0198, 0.3932, 0.3114



41.0196, 0.4197, 0.3079



59.3206, 0.3972, 0.3621



18.0379, 0.3267, 0.3250



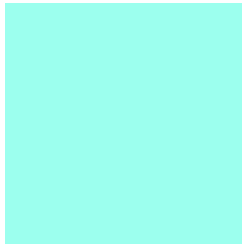
11.2173, 0.6151, 0.3162



1.1056, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 84.7610, 0.2665, 0.3481 looks on a white background.

Color Contrast Check

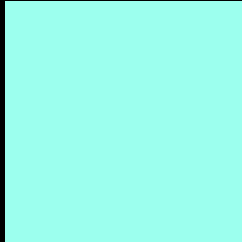
Large Text (above 18pt) WCAG AA × Fail

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 84.7610, 0.2665, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

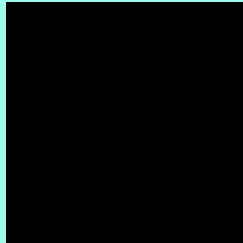
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7610, 0.2665, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 84.7610, 0.2665, 0.3481.

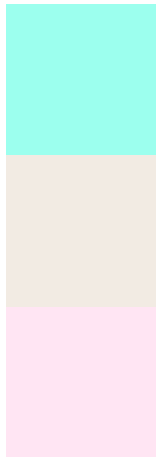


This preview shows how white text looks on a background with the Yxy color 84.7610, 0.2665, 0.3481.

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

84.7610, 0.2665, 0.3481

Protanopia

83.8400, 0.3225, 0.3372

Deuteranopia

83.7697, 0.3216, 0.3153



Tritanopia

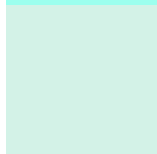
84.4779, 0.2808, 0.3173

Trichromacy



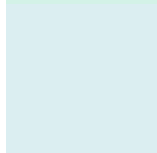
Original Color

84.7610, 0.2665, 0.3481



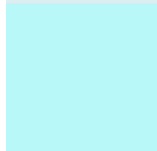
Protanomaly

83.1227, 0.2994, 0.3407



Deuteranomaly

82.5600, 0.2986, 0.3258



Tritanomaly

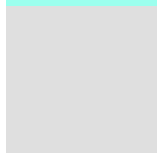
84.2886, 0.2749, 0.3278

Monochromacy



Original Color

84.7610, 0.2665, 0.3481



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1602, 0.2935, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7610, 0.2665, 0.3481 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(156, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 238)  
}
```

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(156, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 84.7610, 0.2665, 0.3481 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(156, 255, 238) }
```

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

```
.border{ border-color:rgb(156, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7610, 0.2665, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 238) }
```

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

```
.background{ background-color: rgb(156,  
255, 238) }
```

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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