

# Converting Colors

$Yxy(84.3616, 0.2660, 0.3502)$

Have a look what the booklet for  
Yxy(84.3616, 0.2660, 0.3502)  
contains.

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# Color

**Yxy(84.3484, 0.2661, 0.3505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFEC
RGB	153, 255, 236
RGB Percent	60%, 100%, 93%
CMY	0.4000, 0.0000, 0.0745
CMYK	0.40, 0.00, 0.07, 0.00
HSL	169°, 100%, 80%
HSV	169°, 40%, 100%
XYZ	64.0374, 84.3484, 92.2658
YIQ	222.3360, -54.6930, -27.5330

# Conversions

## Conversions Part 2

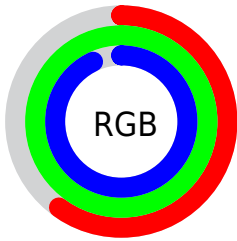
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 209, 255
Decimal	10092524
CIELab	93.60, -34.09, -0.29
CIELCh	94, 34.091, 180.489
Yxy	84.3484, 0.2661, 0.3505
Android (android.graphics.Color)	4288282604 (0xFF99FFEC)
YUV	222.3360, 6.7364, -60.8077
Hunter-Lab	91.8414, -36.2614, 4.7250

# Details

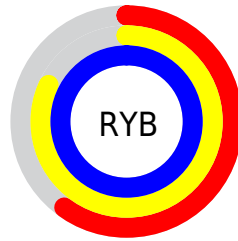
The Yxy color **84.3484, 0.2661, 0.3505** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0214, 0.3952, 0.3093**, and the grayscale version is **73.2774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.1703, 0.2563, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **81.8547, 0.2574, 0.3568**, and if you desaturate by 10%, it is **87.3807, 0.2763, 0.3445**.

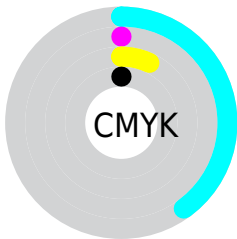
# Distribution



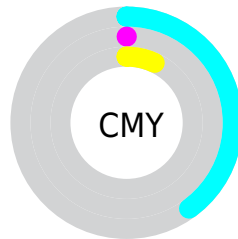
- Red (60%)
- Green (100%)
- Blue (93%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3484, 0.2661, 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 84.3484, 0.2661, 0.3505 by changing the saturation by 10% instead.




 84.3484, 0.2661,  
0.3505


 84.3484, 0.2661,  
0.3505


509.4695, 0.2870,  
0.3409

 63.3031, 0.2615,  
0.3526


 139.4624, 0.2732,  
0.3472

 46.0865, 0.2559,  
0.3552

 174.3000, 0.2760,  
0.3459

 32.3141, 0.2489,  
0.3584


214.5037, 0.2785,  
0.3448

 21.6015, 0.2399,  
0.3625

260.4581, 0.2806,  
0.3438

 13.5644, 0.2281,  
0.3679

312.5474, 0.2825,  
0.3430

 7.8183, 0.2118,  
0.3753

371.1562, 0.2841,

 3.9789, 0.1881,

0.3422

0.3861

436.6687, 0.2856,  
0.3415

1.6618, 0.1461,  
0.4052

0.3987, 0.0000,  
0.4673

84.3484, 0.2661,  
0.3505

84.3484, 0.2661,  
0.3505

81.8547, 0.2574,  
0.3568

87.3807, 0.2763,  
0.3445

79.8639, 0.2505,  
0.3635

90.9810, 0.2876,  
0.3389

78.3382, 0.2454,  
0.3702

95.1786, 0.2999,  
0.3337

77.2342, 0.2424,  
0.3771

100.0000, 0.3127,  
0.3290

■ 76.4999, 0.2413,  
0.3839

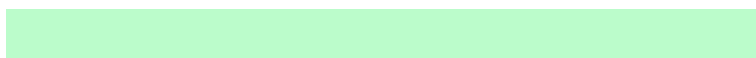
■ 76.0502, 0.2418,  
0.3906

■ 76.0502, 0.2418,  
0.3906

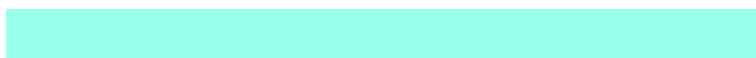
# Harmonies

## Analogous

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



84.3484, 0.3002, 0.3837



84.3484, 0.2661, 0.3505



84.3484, 0.2450, 0.3125

# Triad

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



84.3484, 0.2661, 0.3505



84.3484, 0.2832, 0.2675



84.3484, 0.3898, 0.3693

# Complementary

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



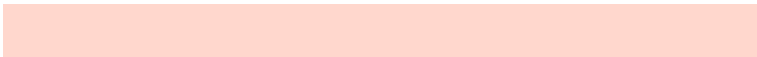
84.3484, 0.2661, 0.3505



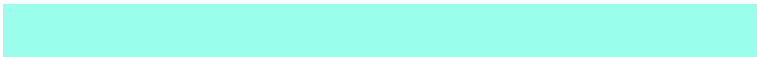
47.0214, 0.3952, 0.3093

# 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.



84.3484, 0.3854, 0.3384



84.3484, 0.2661, 0.3505



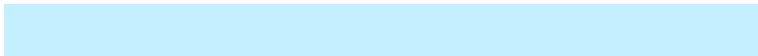
84.3484, 0.3217, 0.2820

# Square

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



84.3484, 0.2661, 0.3505



84.3484, 0.2544, 0.2672



84.3484, 0.3599, 0.3072

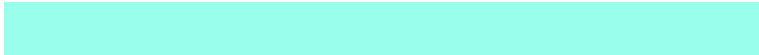


84.3484, 0.3723, 0.3924



# Rectangle

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



84.3484, 0.2661, 0.3505



84.3484, 0.2403, 0.2911



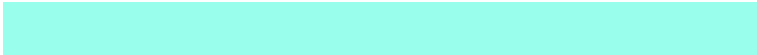
84.3484, 0.3599, 0.3072



84.3484, 0.3909, 0.3595

# Sweetspot

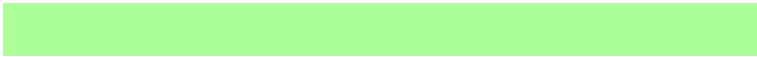
The Sweet Spot groups the original color and five complimentary colors.



84.3490, 0.2661, 0.3505



94.2897, 0.2974, 0.3347



82.7500, 0.3187, 0.4483



20.0605, 0.2957, 0.3354



0.0000, 0.0000, 0.0000

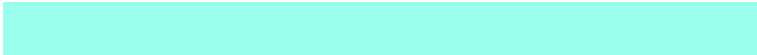


21.4041, 0.3127, 0.3290

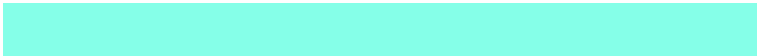


# Same Dimension

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



84.3490, 0.2661, 0.3505



82.3120, 0.2590, 0.3556



67.5193, 0.2519, 0.2935



20.4200, 0.3005, 0.3335



39.7587, 0.2415, 0.3895



3.8855, 0.2394, 0.3818



# Inverse Universe

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



47.0214, 0.3952, 0.3093



40.3055, 0.4211, 0.3057



57.6755, 0.4013, 0.3613



18.0423, 0.3265, 0.3246



11.2338, 0.6115, 0.3142

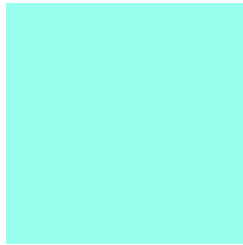


1.1079, 0.5824, 0.2982



# Previews

## White Background



This preview shows how the Yxy color 84.3484, 0.2661, 0.3505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

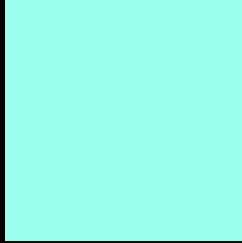
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3484, 0.2661, 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

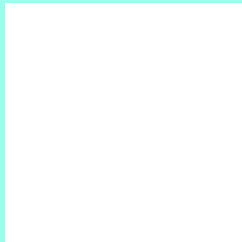
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3484, 0.2661, 0.3505**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3484, 0.2661, 0.3505.

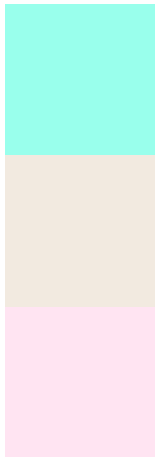


This preview shows how white text looks on a background with the Yxy color 84.3484, 0.2661, 0.3505.

# 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**

84.3484, 0.2661, 0.3505

**Protanopia**

83.1047, 0.3245, 0.3392

**Deuteranopia**

83.1576, 0.3223, 0.3153



## Tritanopia

83.4633, 0.2790, 0.3162

# Trichromacy



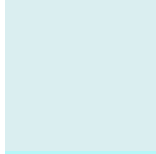
## Original Color

84.3484, 0.2661, 0.3505



## Protanomaly

82.8073, 0.3005, 0.3440



## Deuteranomaly

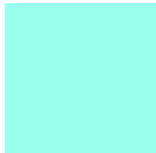
82.3458, 0.2986, 0.3269



## Tritanomaly

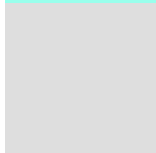
83.2439, 0.2737, 0.3278

# Monochromacy



## Original Color

84.3484, 0.2661, 0.3505



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.2620, 0.2928, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3484, 0.2661, 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(153, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3484, 0.2661, 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(153, 255, 236) }
```

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

```
.border{ border-color:rgb(153, 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(153, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3484, 0.2661, 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(153, 255, 236) }
```

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

```
.background{ background-color: rgb(153,  
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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