

Converting Colors

$Yxy(84.2745, 0.2578, 0.3381)$

Have a look what the booklet for
Yxy(84.2745, 0.2578, 0.3381)
contains.

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Color

Yxy(84.2551, 0.2576, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	91FFF7
RGB	145, 255, 247
RGB Percent	57%, 100%, 97%
CMY	0.4311, 0.0000, 0.0314
CMYK	0.43, 0.00, 0.03, 0.00
HSL	176°, 100%, 78%
HSV	176°, 43%, 100%
XYZ	64.2324, 84.2551, 100.8618
YIQ	221.1980, -62.9920, -25.8080

Conversions

Conversions Part 2

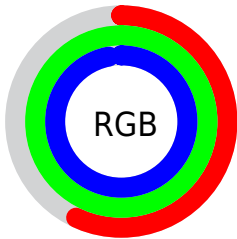
Format	Color
R_{YB}	145, 202, 255
Decimal	9568247
CIE Lab	93.56, -33.47, -6.06
CIE LCh	94, 34.016, 190.269
Yxy	84.2551, 0.2576, 0.3379
Android (android.graphics.Color)	4287758327 (0xFF91FFF7)
YUV	221.1980, 12.7204, -66.8256
Hunter-Lab	91.7906, -35.7244, -0.8959

Details

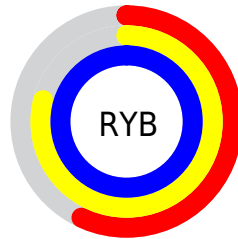
The Yxy color **84.2551, 0.2576, 0.3379** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.8340, 0.4183, 0.3209**, and the grayscale version is **72.4071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **46.0810, 0.2454, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **82.0806, 0.2485, 0.3403**, and if you desaturate by 10%, it is **86.9573, 0.2684, 0.3356**.

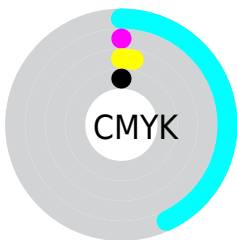
Distribution



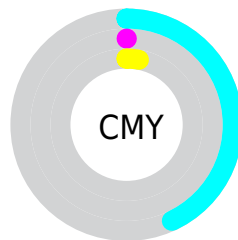
- Red (57%)
- Green (100%)
- Blue (97%)



- Red (57%)
- Yellow (79%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2551, 0.2576, 0.3379 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 84.2551, 0.2576, 0.3379 by changing the saturation by 10% instead.


 84.2551, 0.2576,
0.3379


 84.2551, 0.2576,
0.3379


509.1600, 0.2821,
0.3343

 63.2261, 0.2522,
0.3386


 139.3320, 0.2659,
0.3368

 46.0241, 0.2458,
0.3394

 174.1486, 0.2692,
0.3363

 32.2649, 0.2377,
0.3403


214.3299, 0.2720,
0.3359

 21.5639, 0.2275,
0.3414

260.2602, 0.2745,
0.3355

 13.5368, 0.2142,
0.3427

312.3240, 0.2768,
0.3351

 7.7992, 0.1961,
0.3439

370.9056, 0.2787,

 3.9667, 0.1702,

0.3348

0.3449

436.3895, 0.2805,
0.3346

■ 1.6550, 0.1273,
0.3455

■ 0.3942, 0.0000,
0.3160

■ 84.2551, 0.2576,
0.3379

■ 84.2551, 0.2576,
0.3379

■ 82.0806, 0.2485,
0.3403

■ 86.9573, 0.2684,
0.3356

■ 80.3886, 0.2413,
0.3428

■ 90.2091, 0.2806,
0.3334

■ 79.1429, 0.2361,
0.3453

■ 94.0432, 0.2939,
0.3314

■ 78.2978, 0.2328,
0.3477

■ 98.4869, 0.3082,
0.3295

■ 77.7975, 0.2313,
0.3502

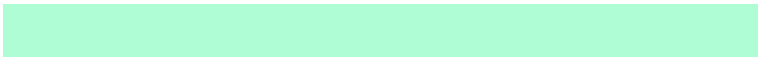
99.9977, 0.3127,
0.3290

■ 77.5982, 0.2311,
0.3519

Harmonies

Analogous

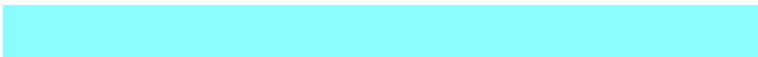
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2551, 0.2882, 0.3742



84.2551, 0.2576, 0.3379



84.2551, 0.2418, 0.3015

Triad

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



84.2551, 0.2576, 0.3379



84.2551, 0.2951, 0.2709



84.2551, 0.3862, 0.3780

Complementary

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



84.2551, 0.2576, 0.3379



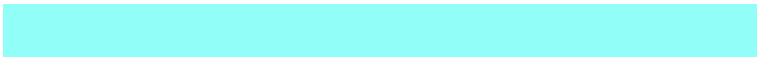
43.8340, 0.4183, 0.3209

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.



84.2551, 0.3892, 0.3488



84.2551, 0.2576, 0.3379



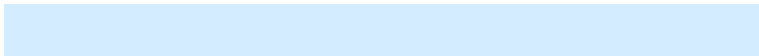
84.2551, 0.3347, 0.2893

Square

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



84.2551, 0.2576, 0.3379



84.2551, 0.2624, 0.2657



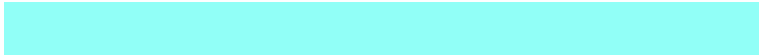
84.2551, 0.3700, 0.3170



84.2551, 0.3627, 0.3967

Rectangle

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



84.2551, 0.2576, 0.3379



84.2551, 0.2410, 0.2828



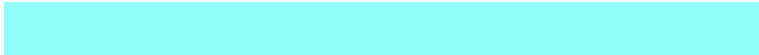
84.2551, 0.3700, 0.3170



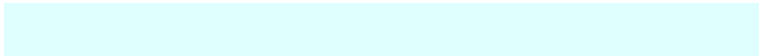
84.2551, 0.3897, 0.3690

Sweetspot

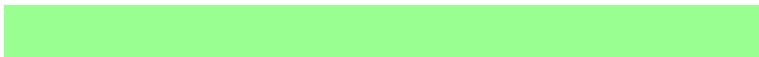
The Sweet Spot groups the original color and five complimentary colors.



84.2584, 0.2576, 0.3379



94.0913, 0.2941, 0.3314



80.4568, 0.3114, 0.4619



19.9469, 0.2910, 0.3318



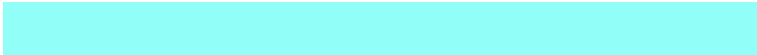
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.2584, 0.2576, 0.3379



82.3002, 0.2494, 0.3400



58.9419, 0.2449, 0.2745



20.4573, 0.2990, 0.3307



40.5577, 0.2310, 0.3515



3.9555, 0.2302, 0.3487

Inverse Universe

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



43.8340, 0.4183, 0.3209



36.9451, 0.4535, 0.3196



60.5119, 0.4046, 0.3769



18.0085, 0.3283, 0.3273



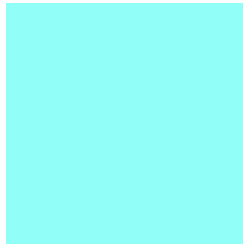
11.1403, 0.6325, 0.3258



1.0918, 0.6160, 0.3167

Previews

White Background



This preview shows how the Yxy color 84.2551, 0.2576, 0.3379 looks on a white background.

Color Contrast Check

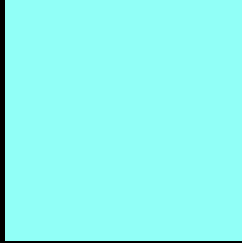
Large Text (above 18pt) WCAG AA × Fail

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 84.2551, 0.2576, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

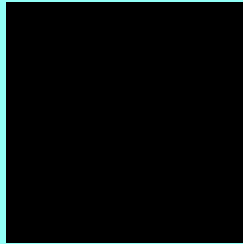
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2551, 0.2576, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 84.2551, 0.2576, 0.3379.

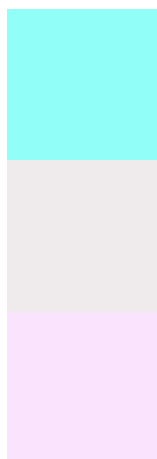


This preview shows how white text looks on a background with the Yxy color 84.2551, 0.2576, 0.3379.

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

84.2551, 0.2576, 0.3379

Protanopia

83.1945, 0.3155, 0.3280

Deuteranopia

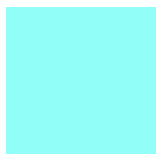
82.9026, 0.3118, 0.3045



Tritanopia

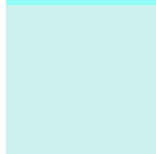
83.7917, 0.2780, 0.3172

Trichromacy



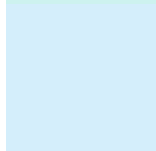
Original Color

84.2551, 0.2576, 0.3379



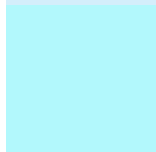
Protanomaly

82.7154, 0.2912, 0.3322



Deuteranomaly

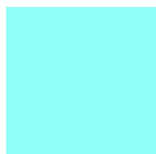
82.1112, 0.2885, 0.3153



Tritanomaly

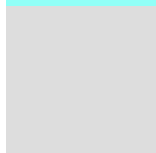
83.6281, 0.2697, 0.3245

Monochromacy



Original Color

84.2551, 0.2576, 0.3379



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3285, 0.2886, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2551, 0.2576, 0.3379 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(145, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 247)  
}
```

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(145, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 84.2551, 0.2576, 0.3379 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(145, 255, 247) }
```

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

```
.border{ border-color:rgb(145, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2551, 0.2576, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 247) }
```

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

```
.background{ background-color: rgb(145,  
255, 247) }
```

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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