

Converting Colors

Yxy(87.6354, 0.2749, 0.3409)

Have a look what the booklet for
Yxy(87.6354, 0.2749, 0.3409)
contains.

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Color

Yxy(87.6354, 0.2749, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFF4
RGB	179, 255, 244
RGB Percent	70%, 100%, 96%
CMY	0.2982, 0.0000, 0.0432
CMYK	0.30, 0.00, 0.04, 0.00
HSL	171°, 100%, 85%
HSV	171°, 30%, 100%
XYZ	70.6687, 87.6354, 98.7666
YIQ	231.0220, -41.7650, -19.5330

Conversions

Conversions Part 2

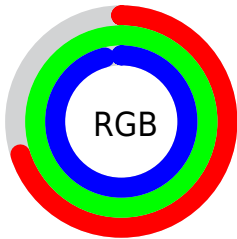
Format	Color
RYB	179, 220, 255
Decimal	11796468
CIELab	95.01, -25.51, -2.21
CIElCh	95, 25.608, 184.955
Yxy	87.6354, 0.2749, 0.3409
Android (android.graphics.Color)	4289986548 (0xFFB3FFF4)
YUV	231.0220, 6.3982, -45.6233
Hunter-Lab	93.6138, -29.0751, 2.9761

Details

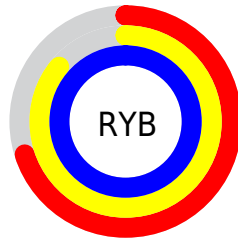
The Yxy color **87.6354, 0.2749, 0.3409** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.1966, 0.3701, 0.3177**, and the grayscale version is **79.8897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **48.3041, 0.2669, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **84.6450, 0.2643, 0.3455**, and if you desaturate by 10%, it is **91.1786, 0.2867, 0.3366**.

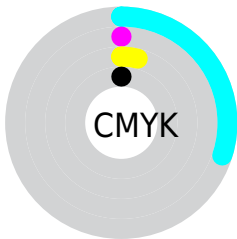
Distribution



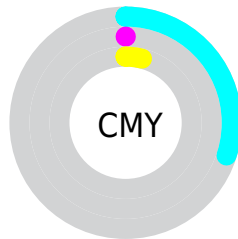
- Red (70%)
- Green (100%)
- Blue (96%)



- Red (70%)
- Yellow (86%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6354, 0.2749, 0.3409 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 87.6354, 0.2749, 0.3409 by changing the saturation by 10% instead.


 87.6354, 0.2749,
0.3409

 87.6354, 0.2749,
0.3409


520.3085, 0.2917,
0.3357

 66.0212, 0.2712,
0.3420


 144.0495, 0.2806,
0.3392

 48.2896, 0.2667,
0.3434

179.6180, 0.2829,
0.3385

 34.0563, 0.2612,
0.3450


220.6069, 0.2848,
0.3379

 22.9368, 0.2541,
0.3471

267.4004, 0.2865,
0.3373

 14.5469, 0.2448,
0.3498

320.3829, 0.2881,
0.3369

 8.5020, 0.2320,
0.3534

379.9388, 0.2894,

 4.4178, 0.2134,

0.3364

0.3585

446.4525, 0.2906,
0.3361

1.9099, 0.1842,
0.3659

0.5543, 0.0000,
0.4223

87.6354, 0.2749,
0.3409

87.6354, 0.2749,
0.3409

84.6450, 0.2643,
0.3455

91.1786, 0.2867,
0.3366

82.1965, 0.2552,
0.3504

95.3234, 0.2995,
0.3326

80.2491, 0.2479,
0.3554

100.0000, 0.3127,
0.3290

78.7649, 0.2426,
0.3606

■ 77.7004, 0.2392,
0.3658

■ 77.0037, 0.2377,
0.3709

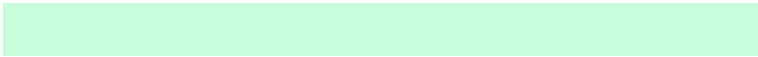
■ 76.5920, 0.2378,
0.3760

■ 76.5857, 0.2378,
0.3761

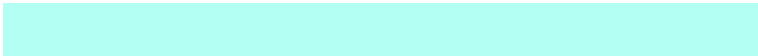
Harmonies

Analogous

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



87.6354, 0.2996, 0.3659



87.6354, 0.2749, 0.3409



87.6354, 0.2605, 0.3135

Triad

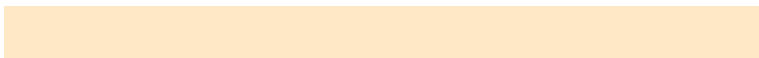
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6354, 0.2749, 0.3409



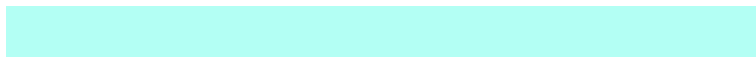
87.6354, 0.2949, 0.2834



87.6354, 0.3689, 0.3629

Complementary

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



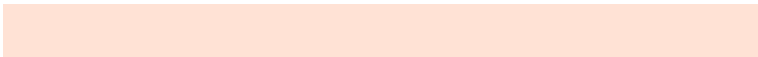
87.6354, 0.2749, 0.3409



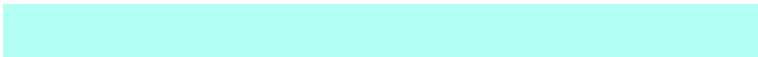
57.1966, 0.3701, 0.3177

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.



87.6354, 0.3679, 0.3403



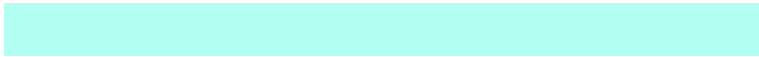
87.6354, 0.2749, 0.3409



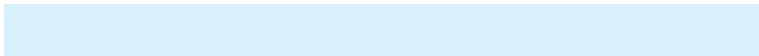
87.6354, 0.3241, 0.2959

Square

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



87.6354, 0.2749, 0.3409



87.6354, 0.2716, 0.2818



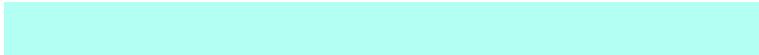
87.6354, 0.3513, 0.3162



87.6354, 0.3542, 0.3779

Rectangle

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



87.6354, 0.2749, 0.3409



87.6354, 0.2581, 0.2983



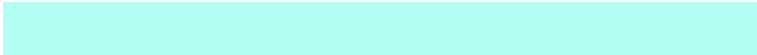
87.6354, 0.3513, 0.3162



87.6354, 0.3705, 0.3559

Sweetspot

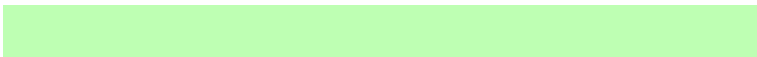
The Sweet Spot groups the original color and five complimentary colors.



87.6287, 0.2749, 0.3409



95.6919, 0.3006, 0.3323



85.7660, 0.3155, 0.4149



20.3432, 0.2987, 0.3328



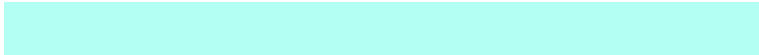
0.0000, 0.0000, 0.0000



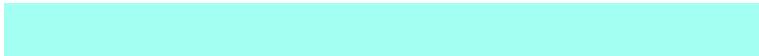
21.4041, 0.3127, 0.3290

Same Dimension

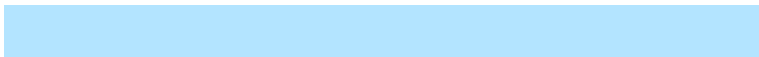
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6287, 0.2749, 0.3409



85.7208, 0.2682, 0.3437



72.4955, 0.2662, 0.2994



20.4336, 0.2999, 0.3325



40.0350, 0.2376, 0.3753



3.9099, 0.2360, 0.3694

Inverse Universe

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



57.1966, 0.3701, 0.3177



50.6797, 0.3873, 0.3152



68.4476, 0.3718, 0.3568



18.0299, 0.3271, 0.3256



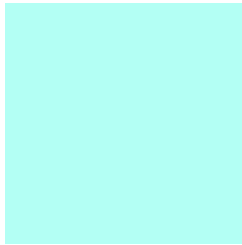
11.1912, 0.6209, 0.3194



1.1019, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 87.6354, 0.2749, 0.3409 looks on a white background.

Color Contrast Check

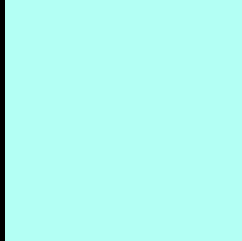
Large Text (above 18pt) WCAG AA × Fail

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 87.6354, 0.2749, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

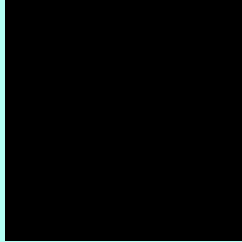
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6354, 0.2749, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 87.6354, 0.2749, 0.3409.

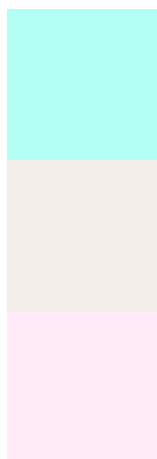


This preview shows how white text looks on a background with the Yxy color 87.6354, 0.2749, 0.3409.

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

87.6354, 0.2749, 0.3409

Protanopia

87.1436, 0.3192, 0.3330

Deuteranopia

86.8210, 0.3187, 0.3164



Tritanopia

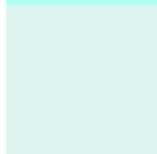
87.1237, 0.2890, 0.3187

Trichromacy



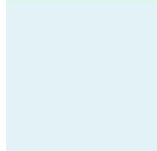
Original Color

87.6354, 0.2749, 0.3409



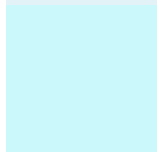
Protanomaly

86.8500, 0.3016, 0.3362



Deuteranomaly

86.4890, 0.3008, 0.3249



Tritanomaly

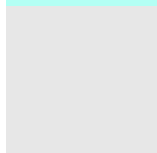
87.4129, 0.2838, 0.3268

Monochromacy



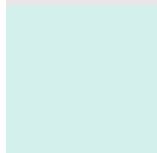
Original Color

87.6354, 0.2749, 0.3409



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3734, 0.2971, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6354, 0.2749, 0.3409 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(179, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 244)  
}
```

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(179, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.6354, 0.2749, 0.3409 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(179, 255, 244) }
```

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

```
.border{ border-color:rgb(179, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6354, 0.2749, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 244) }
```

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

```
.background{ background-color: rgb(179,  
255, 244) }
```

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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