

Converting Colors

Yxy(84.7626, 0.2774, 0.3649)

Have a look what the booklet for
Yxy(84.7626, 0.2774, 0.3649)
contains.

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Color

Yxy(84.7402, 0.2777, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFDF
RGB	164, 255, 223
RGB Percent	64%, 100%, 87%
CMY	0.3565, 0.0000, 0.1255
CMYK	0.36, 0.00, 0.13, 0.00
HSL	159°, 100%, 82%
HSV	159°, 36%, 100%
XYZ	64.4016, 84.7402, 82.7690
YIQ	224.1430, -43.9640, -29.2440

Conversions

Conversions Part 2

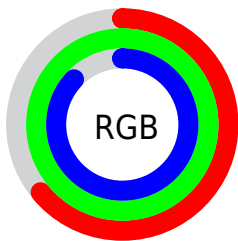
Format	Color
RYB	164, 219, 255
Decimal	10813407
CIELab	93.77, -33.99, 6.73
CIELCh	94, 34.651, 168.799
Yxy	84.7402, 0.2777, 0.3654
Android (android.graphics.Color)	4289003487 (0xFFA4FFDF)
YUV	224.1430, -0.5635, -52.7454
Hunter-Lab	92.0544, -36.2160, 11.1287

Details

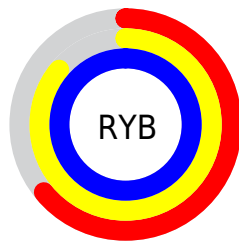
The Yxy color **84.7402, 0.2777, 0.3654** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.8307, 0.3681, 0.2958**, and the grayscale version is **74.6915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.4035, 0.2695, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **81.8240, 0.2699, 0.3777**, and if you desaturate by 10%, it is **88.2329, 0.2866, 0.3540**.

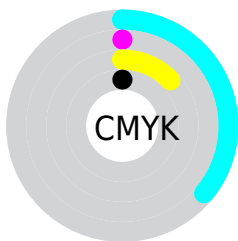
Distribution



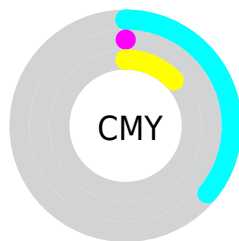
- Red (64%)
- Green (100%)
- Blue (87%)



- Red (64%)
- Yellow (86%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7402, 0.2777, 0.3654 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 84.7402, 0.2777, 0.3654 by changing the saturation by 10% instead.


 84.7402, 0.2777,
0.3654


 84.7402, 0.2777,
0.3654


510.7680, 0.2936,
0.3486

 63.6267, 0.2741,
0.3692


 140.0101, 0.2832,
0.3596

 46.3484, 0.2697,
0.3739


 174.9354, 0.2853,
0.3573

 32.5209, 0.2642,
0.3799

215.2334, 0.2872,
0.3554

 21.7596, 0.2571,
0.3877

261.2885, 0.2888,
0.3537

 13.6804, 0.2476,
0.3983

313.4851, 0.2902,
0.3522

 7.8987, 0.2342,
0.4135

372.2077, 0.2915,

 4.0302, 0.2140,

0.3509

0.4370

437.8405, 0.2926,
0.3497

■ 1.6905, 0.1761,
0.4807

■ 0.4175, 0.0000,
1.0000

■ 84.7402, 0.2777,
0.3654

■ 84.7402, 0.2777,
0.3654

■ 81.8240, 0.2699,
0.3777

■ 88.2329, 0.2866,
0.3540

■ 79.4408, 0.2636,
0.3907

■ 92.3222, 0.2964,
0.3435

■ 77.5577, 0.2591,
0.4042

■ 97.0395, 0.3067,
0.3339

■ 76.1332, 0.2565,
0.4179

99.9942, 0.3127,
0.3290

■ 75.1191, 0.2560,
0.4317

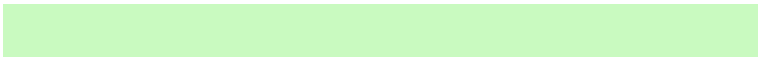
■ 74.4559, 0.2575,
0.4452

■ 74.2394, 0.2586,
0.4510

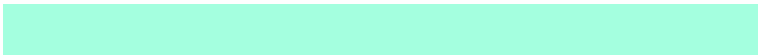
Harmonies

Analogous

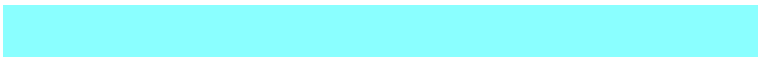
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7402, 0.3154, 0.3933



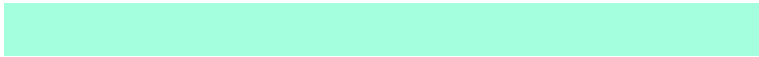
84.7402, 0.2777, 0.3654



84.7402, 0.2504, 0.3269

Triad

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



84.7402, 0.2777, 0.3654



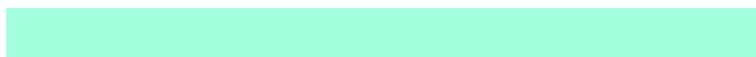
84.7402, 0.2698, 0.2647



84.7402, 0.3920, 0.3581

Complementary

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



84.7402, 0.2777, 0.3654



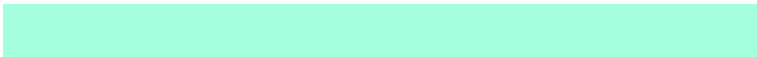
51.8307, 0.3681, 0.2958

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.



84.7402, 0.3786, 0.3258



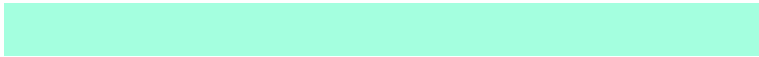
84.7402, 0.2777, 0.3654



84.7402, 0.3060, 0.2741

Square

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



84.7402, 0.2777, 0.3654



84.7402, 0.2462, 0.2704



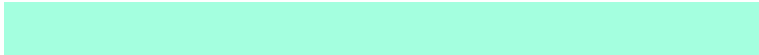
84.7402, 0.3463, 0.2959



84.7402, 0.3824, 0.3857

Rectangle

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



84.7402, 0.2777, 0.3654



84.7402, 0.2411, 0.3026



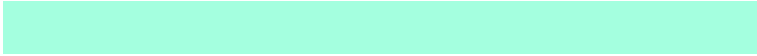
84.7402, 0.3463, 0.2959



84.7402, 0.3901, 0.3474

Sweetspot

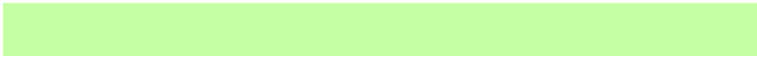
The Sweet Spot groups the original color and five complimentary colors.



84.7436, 0.2777, 0.3654



94.4431, 0.3012, 0.3389



86.1249, 0.3279, 0.4305



20.0797, 0.2998, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

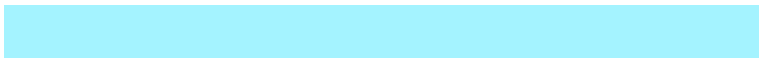
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7436, 0.2777, 0.3654



82.5504, 0.2719, 0.3744



79.1453, 0.2606, 0.3154



20.3665, 0.3027, 0.3375



38.8243, 0.2580, 0.4488



3.8009, 0.2537, 0.4335

Inverse Universe

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



51.8307, 0.3681, 0.2958



45.0763, 0.3850, 0.2890



55.0749, 0.3944, 0.3420



18.0927, 0.3239, 0.3207



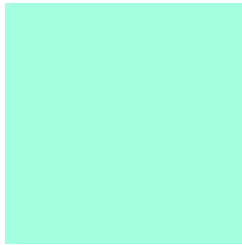
11.5179, 0.5576, 0.2845



1.1413, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 84.7402, 0.2777, 0.3654 looks on a white background.

Color Contrast Check

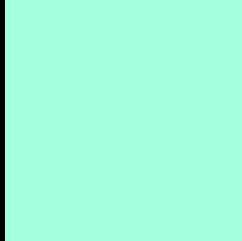
Large Text (above 18pt) WCAG AA × Fail

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 84.7402, 0.2777, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

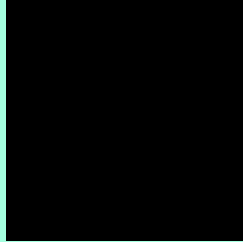
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

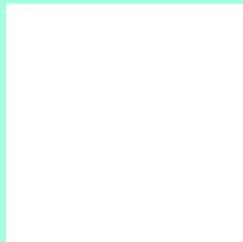
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7402, 0.2777, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 84.7402, 0.2777, 0.3654.

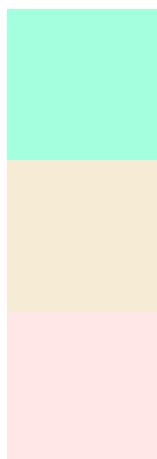


This preview shows how white text looks on a background with the Yxy color 84.7402, 0.2777, 0.3654.

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

84.7402, 0.2777, 0.3654

Protanopia

83.7630, 0.3350, 0.3525

Deuteranopia

83.6232, 0.3294, 0.3281



Tritanopia

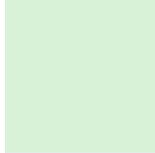
84.1586, 0.2819, 0.3163

Trichromacy



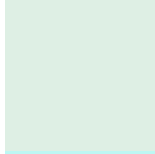
Original Color

84.7402, 0.2777, 0.3654



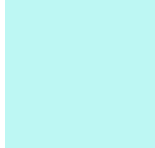
Protanomaly

83.0611, 0.3114, 0.3569



Deuteranomaly

82.8640, 0.3082, 0.3406



Tritanomaly

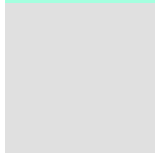
83.8114, 0.2800, 0.3333

Monochromacy



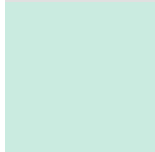
Original Color

84.7402, 0.2777, 0.3654



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3550, 0.2977, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7402, 0.2777, 0.3654 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(164, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 223)  
}
```

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(164, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 84.7402, 0.2777, 0.3654 is called "border". The border property can be set on classes, ids or directly on the HTML element.

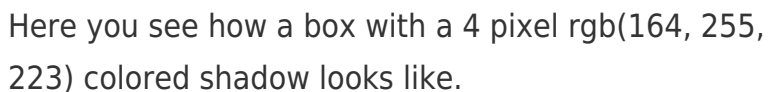
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 255, 223) }
```

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

```
.border{ border-color:rgb(164, 255, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7402, 0.2777, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 223) }
```

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

```
.background{ background-color: rgb(164,  
255, 223) }
```

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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