

Converting Colors

$Yxy(84.1731, 0.2818, 0.3764)$

Have a look what the booklet for
Yxy(84.1731, 0.2818, 0.3764)
contains.

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Color

Yxy(84.1616, 0.2816, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFD6
RGB	163, 255, 214
RGB Percent	64%, 100%, 84%
CMY	0.3609, 0.0000, 0.1607
CMYK	0.36, 0.00, 0.16, 0.00
HSL	153°, 100%, 82%
HSV	153°, 36%, 100%
XYZ	62.9982, 84.1616, 76.5553
YIQ	222.8180, -41.6710, -32.2550

Conversions

Conversions Part 2

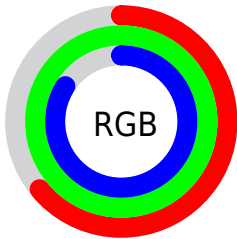
Format	Color
RYB	163, 222, 255
Decimal	10747862
CIELab	93.52, -36.13, 10.99
CIElCh	94, 37.759, 163.084
Yxy	84.1616, 0.2816, 0.3762
Android (android.graphics.Color)	4288937942 (0xFFA3FFD6)
YUV	222.8180, -4.3473, -52.4604
Hunter-Lab	91.7396, -37.9673, 14.7412

Details

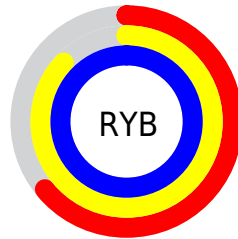
The Yxy color **84.1616, 0.2816, 0.3762** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.7991, 0.3610, 0.2867**, and the grayscale version is **73.7029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **46.0172, 0.2744, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **81.1737, 0.2748, 0.3921**, and if you desaturate by 10%, it is **87.7273, 0.2895, 0.3614**.

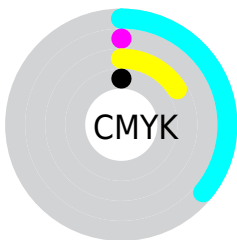
Distribution



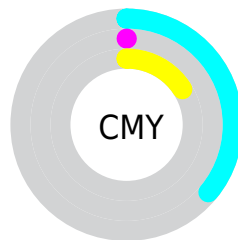
- Red (64%)
- Green (100%)
- Blue (84%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1616, 0.2816, 0.3762 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 84.1616, 0.2816, 0.3762 by changing the saturation by 10% instead.


 84.1616, 0.2816,
0.3762


 84.1616, 0.2816,
0.3762


508.8497, 0.2960,
0.3542

 63.1489, 0.2783,
0.3813


 139.2012, 0.2866,
0.3685

 45.9616, 0.2743,
0.3876


 173.9969, 0.2885,
0.3655

 32.2156, 0.2692,
0.3956


214.1556, 0.2902,
0.3630

 21.5262, 0.2625,
0.4061

260.0619, 0.2916,
0.3608

 13.5092, 0.2535,
0.4205

312.1000, 0.2929,
0.3588

 7.7801, 0.2406,
0.4415

370.6544, 0.2941,

 3.9546, 0.2206,

0.3571

0.4745

436.1095, 0.2951,
0.3556

■ 1.6482, 0.1773,
0.5403

■ 0.3898, 0.0000,
1.0000

■ 84.1616, 0.2816,
0.3762

■ 84.1616, 0.2816,
0.3762

■ 81.1737, 0.2748,
0.3921

■ 87.7273, 0.2895,
0.3614

■ 78.7378, 0.2694,
0.4089

■ 91.9095, 0.2981,
0.3480

■ 76.8142, 0.2657,
0.4264

■ 96.7343, 0.3071,
0.3358

■ 75.3607, 0.2640,
0.4441

100.0000, 0.3127,
0.3290

■ 74.3284, 0.2644,
0.4616

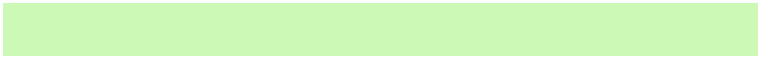
■ 73.6564, 0.2668,
0.4785

■ 73.4568, 0.2680,
0.4849

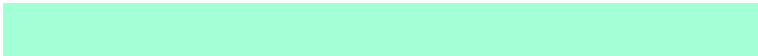
Harmonies

Analogous

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



84.1616, 0.3237, 0.4030



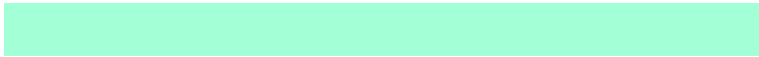
84.1616, 0.2816, 0.3762



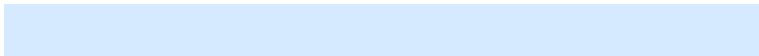
84.1616, 0.2493, 0.3346

Triad

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



84.1616, 0.2816, 0.3762



84.1616, 0.2599, 0.2591



84.1616, 0.3985, 0.3536

Complementary

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



84.1616, 0.2816, 0.3762



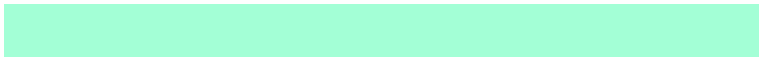
51.7991, 0.3610, 0.2867

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.



84.1616, 0.3794, 0.3187



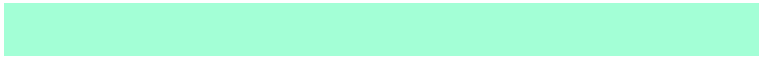
84.1616, 0.2816, 0.3762



84.1616, 0.2970, 0.2664

Square

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



84.1616, 0.2816, 0.3762



84.1616, 0.2377, 0.2683



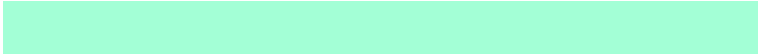
84.1616, 0.3411, 0.2877



84.1616, 0.3926, 0.3855

Rectangle

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



84.1616, 0.2816, 0.3762



84.1616, 0.2370, 0.3070



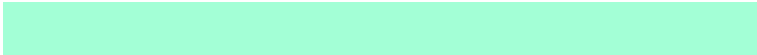
84.1616, 0.3411, 0.2877



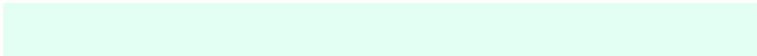
84.1616, 0.3948, 0.3419

Sweetspot

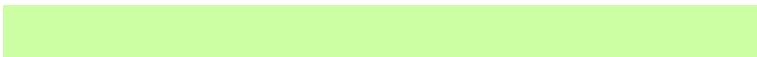
The Sweet Spot groups the original color and five complimentary colors.



84.1590, 0.2816, 0.3762



94.2843, 0.3026, 0.3416



87.0544, 0.3330, 0.4303



20.0418, 0.3014, 0.3433



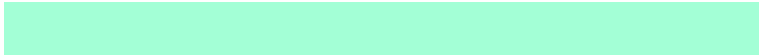
0.0000, 0.0000, 0.0000



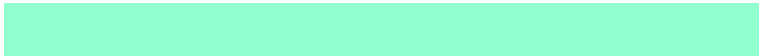
21.4041, 0.3127, 0.3290

Same Dimension

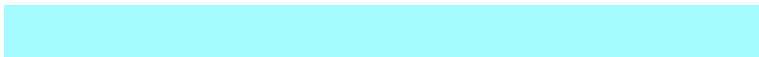
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1590, 0.2816, 0.3762



82.0364, 0.2768, 0.3871



83.6219, 0.2612, 0.3238



20.3369, 0.3040, 0.3398



38.4133, 0.2673, 0.4822



3.7622, 0.2620, 0.4632

Inverse Universe

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



51.7991, 0.3610, 0.2867



45.5207, 0.3744, 0.2786



51.7488, 0.3988, 0.3341



18.1215, 0.3224, 0.3185



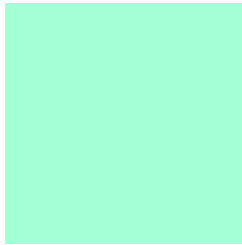
11.7672, 0.5196, 0.2636



1.1673, 0.4914, 0.2480

Previews

White Background



This preview shows how the Yxy color 84.1616, 0.2816, 0.3762 looks on a white background.

Color Contrast Check

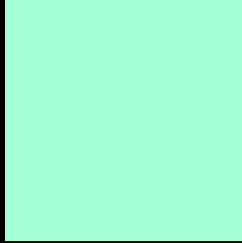
Large Text (above 18pt) WCAG AA × Fail

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 84.1616, 0.2816, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

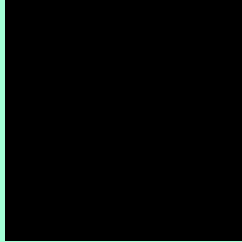
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1616, 0.2816, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 84.1616, 0.2816, 0.3762.

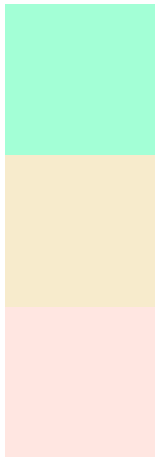


This preview shows how white text looks on a background with the Yxy color 84.1616, 0.2816, 0.3762.

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

84.1616, 0.2816, 0.3762

Protanopia

83.5505, 0.3409, 0.3607

Deuteranopia

83.2899, 0.3334, 0.3340



Tritanopia

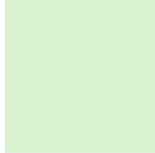
83.8777, 0.2808, 0.3163

Trichromacy



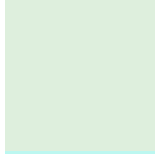
Original Color

84.1616, 0.2816, 0.3762



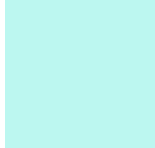
Protanomaly

82.6573, 0.3162, 0.3658



Deuteranomaly

82.4831, 0.3125, 0.3481



Tritanomaly

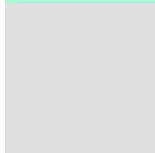
83.5042, 0.2810, 0.3366

Monochromacy



Original Color

84.1616, 0.2816, 0.3762



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0015, 0.2995, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1616, 0.2816, 0.3762 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(163, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 214)  
}
```

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(163, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 84.1616, 0.2816, 0.3762 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(163, 255, 214) }
```

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

```
.border{ border-color:rgb(163, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1616, 0.2816, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 214) }
```

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

```
.background{ background-color: rgb(163,  
255, 214) }
```

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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