

Converting Colors

$Yxy(88.1364, 0.2787, 0.3778)$

Have a look what the booklet for
Yxy(88.1364, 0.2787, 0.3778)
contains.

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Color

Yxy(84.0555, 0.2781, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFDA
RGB	160, 255, 218
RGB Percent	63%, 100%, 85%
CMY	0.3727, 0.0000, 0.1451
CMYK	0.37, 0.00, 0.15, 0.00
HSL	157°, 100%, 81%
HSV	157°, 37%, 100%
XYZ	62.9059, 84.0555, 79.2375
YIQ	222.3770, -44.7430, -31.6470

Conversions

Conversions Part 2

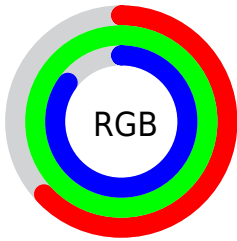
Format	Color
RYB	160, 219, 255
Decimal	10551258
CIELab	93.47, -36.14, 8.85
CIELCh	93, 37.208, 166.234
Yxy	84.0555, 0.2781, 0.3716
Android (android.graphics.Color)	4288741338 (0xFFA0FFDA)
YUV	222.3770, -2.1579, -54.7046
Hunter-Lab	91.6818, -37.9684, 12.9349

Details

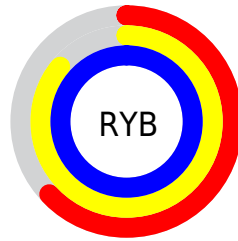
The Yxy color **84.0555, 0.2781, 0.3716** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.4180, 0.3683, 0.2907**, and the grayscale version is **73.3575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **45.9756, 0.2703, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **81.1841, 0.2709, 0.3854**, and if you desaturate by 10%, it is **87.4893, 0.2865, 0.3587**.

Distribution



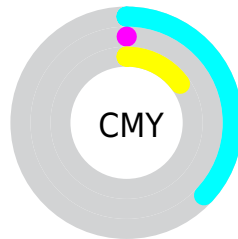
- Red (63%)
- Green (100%)
- Blue (85%)



- Red (63%)
- Yellow (86%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0555, 0.2781, 0.3716 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 84.0555, 0.2781, 0.3716 by changing the saturation by 10% instead.

 84.0555, 0.2781,
0.3716

 84.0555, 0.2781,
0.3716


508.4975, 0.2940,
0.3518

 63.0613, 0.2745,
0.3761


 139.0528, 0.2836,
0.3647

 45.8908, 0.2701,
0.3818

 173.8247, 0.2857,
0.3620

 32.1596, 0.2646,
0.3889


213.9579, 0.2876,
0.3597

 21.4835, 0.2574,
0.3982

259.8368, 0.2892,
0.3577

 13.4779, 0.2476,
0.4110

311.8458, 0.2906,
0.3560

 7.7584, 0.2339,
0.4295

370.3693, 0.2918,

 3.9408, 0.2129,

0.3544

0.4585

435.7918, 0.2930,
0.3530

■ 1.6405, 0.1683,
0.5156

■ 0.3847, 0.0000,
1.0000

■ 84.0555, 0.2781,
0.3716

■ 84.0555, 0.2781,
0.3716

■ 81.1841, 0.2709,
0.3854

■ 87.4893, 0.2865,
0.3587

■ 78.8528, 0.2652,
0.4001

■ 91.5279, 0.2957,
0.3468


■ 77.0203, 0.2613,
0.4152


■ 96.1959, 0.3054,
0.3361

■ 75.6444, 0.2594,
0.4306

100.0000, 0.3127,
0.3290

 74.6752, 0.2595,
0.4458

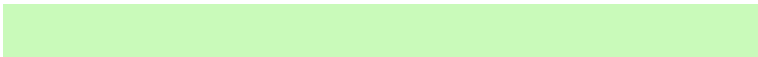
 74.0486, 0.2617,
0.4607

 73.9110, 0.2624,
0.4647

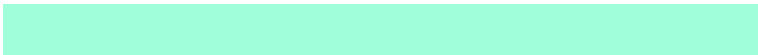
Harmonies

Analogous

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



84.0555, 0.3191, 0.4002



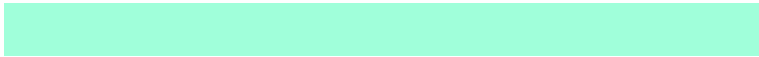
84.0555, 0.2781, 0.3716



84.0555, 0.2477, 0.3301

Triad

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



84.0555, 0.2781, 0.3716



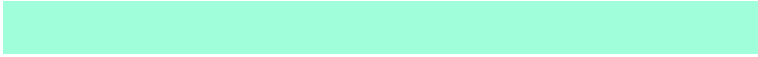
84.0555, 0.2638, 0.2600



84.0555, 0.3979, 0.3570

Complementary

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



84.0555, 0.2781, 0.3716



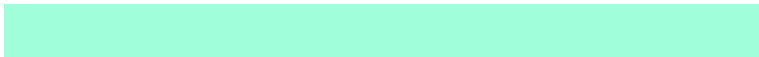
50.4180, 0.3683, 0.2907

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.



84.0555, 0.3814, 0.3224



84.0555, 0.2781, 0.3716



84.0555, 0.3017, 0.2688

Square

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



84.0555, 0.2781, 0.3716



84.0555, 0.2401, 0.2674



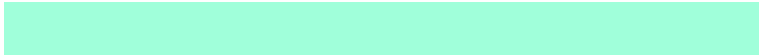
84.0555, 0.3452, 0.2911



84.0555, 0.3895, 0.3875

Rectangle

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



84.0555, 0.2781, 0.3716



84.0555, 0.2368, 0.3034



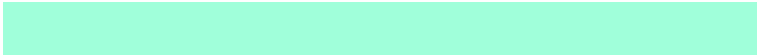
84.0555, 0.3452, 0.2911



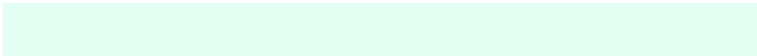
84.0555, 0.3951, 0.3455

Sweetspot

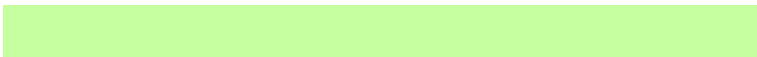
The Sweet Spot groups the original color and five complimentary colors.



84.0517, 0.2781, 0.3716



94.3793, 0.3017, 0.3400



86.0594, 0.3305, 0.4350



20.0645, 0.3004, 0.3414



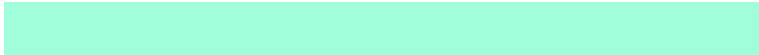
0.0000, 0.0000, 0.0000



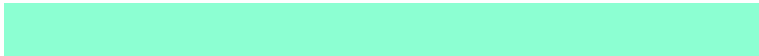
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0517, 0.2781, 0.3716



81.7866, 0.2724, 0.3822



80.2952, 0.2590, 0.3183



20.3546, 0.3032, 0.3384



38.6502, 0.2617, 0.4623



3.7847, 0.2570, 0.4454

Inverse Universe

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



50.4180, 0.3683, 0.2907



43.5889, 0.3854, 0.2828



52.3464, 0.4009, 0.3393



18.1042, 0.3233, 0.3198



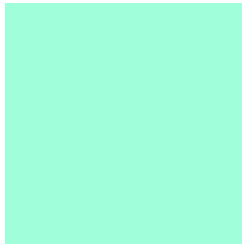
11.6094, 0.5428, 0.2764



1.1510, 0.5123, 0.2596

Previews

White Background



This preview shows how the Yxy color 84.0555, 0.2781, 0.3716 looks on a white background.

Color Contrast Check

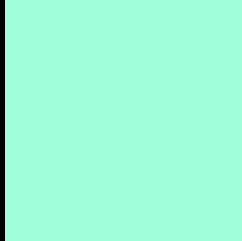
Large Text (above 18pt) WCAG AA × Fail

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 84.0555, 0.2781, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

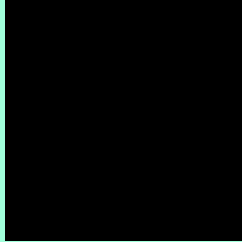
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0555, 0.2781, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 84.0555, 0.2781, 0.3716.

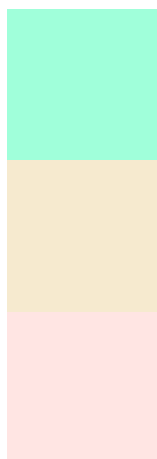


This preview shows how white text looks on a background with the Yxy color 84.0555, 0.2781, 0.3716.

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

84.0555, 0.2781, 0.3716

Protanopia

82.9435, 0.3384, 0.3567

Deuteranopia

82.8447, 0.3322, 0.3310



Tritanopia

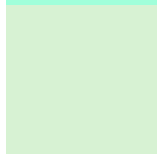
83.7387, 0.2802, 0.3162

Trichromacy



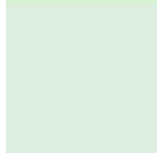
Original Color

84.0555, 0.2781, 0.3716



Protanomaly

82.6545, 0.3137, 0.3625



Deuteranomaly

81.7465, 0.3094, 0.3439



Tritanomaly

83.3714, 0.2789, 0.3344

Monochromacy



Original Color

84.0555, 0.2781, 0.3716



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2082, 0.2976, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0555, 0.2781, 0.3716 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(160, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 218)  
}
```

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(160, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 84.0555, 0.2781, 0.3716 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(160, 255, 218) }
```

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

```
.border{ border-color:rgb(160, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 255, 218); box-shadow:4px 4px 4px 4px rgb(160, 255, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0555, 0.2781, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 218) }
```

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

```
.background{ background-color: rgb(160,  
255, 218) }
```

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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