

Converting Colors

$Yxy(84.7705, 0.2762, 0.3629)$

Have a look what the booklet for
Yxy(84.7705, 0.2762, 0.3629)
contains.

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Color

Yxy(84.7428, 0.2762, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFE1
RGB	163, 255, 225
RGB Percent	64%, 100%, 88%
CMY	0.3606, 0.0000, 0.1177
CMYK	0.36, 0.00, 0.12, 0.00
HSL	160°, 100%, 82%
HSV	160°, 36%, 100%
XYZ	64.4615, 84.7428, 84.1827
YIQ	224.0720, -45.2020, -28.8340

Conversions

Conversions Part 2

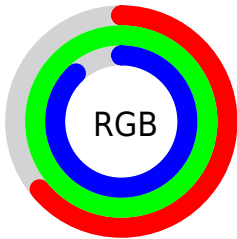
Format	Color
RYB	163, 218, 255
Decimal	10747873
CIELab	93.77, -33.86, 5.70
CIELCh	94, 34.336, 170.445
Yxy	84.7428, 0.2762, 0.3631
Android (android.graphics.Color)	4288937953 (0xFFA3FFE1)
YUV	224.0720, 0.4575, -53.5601
Hunter-Lab	92.0559, -36.1044, 10.2199

Details

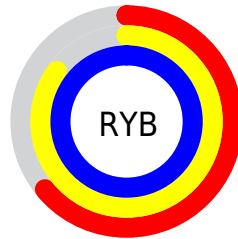
The Yxy color **84.7428, 0.2762, 0.3631** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.3275, 0.3713, 0.2978**, and the grayscale version is **74.6261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.4162, 0.2678, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **81.8760, 0.2682, 0.3745**, and if you desaturate by 10%, it is **88.1813, 0.2854, 0.3525**.

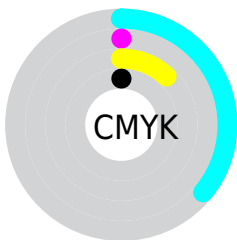
Distribution



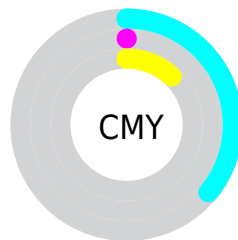
- Red (64%)
- Green (100%)
- Blue (88%)



- Red (64%)
- Yellow (85%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7428, 0.2762, 0.3631 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 84.7428, 0.2762, 0.3631 by changing the saturation by 10% instead.


 84.7428, 0.2762,
0.3631


 84.7428, 0.2762,
0.3631


510.7766, 0.2928,
0.3474

 63.6289, 0.2725,
0.3667


 140.0138, 0.2819,
0.3577

 46.3502, 0.2680,
0.3710


 174.9396, 0.2841,
0.3556

 32.5222, 0.2623,
0.3766


215.2382, 0.2860,
0.3537

 21.7607, 0.2549,
0.3838

261.2940, 0.2877,
0.3522

 13.6812, 0.2451,
0.3936

313.4913, 0.2892,
0.3508

 7.8992, 0.2314,
0.4075

372.2146, 0.2905,

 4.0305, 0.2108,

0.3495

0.4291

437.8483, 0.2917,
0.3484

■ 1.6907, 0.1726,
0.4688

■ 0.4176, 0.0000,
0.8814

■ 84.7428, 0.2762,
0.3631

■ 84.7428, 0.2762,
0.3631

■ 81.8760, 0.2682,
0.3745

■ 88.1813, 0.2854,
0.3525

■ 79.5375, 0.2618,
0.3864


■ 92.2116, 0.2954,
0.3428


■ 77.6941, 0.2571,
0.3989


■ 96.8653, 0.3061,
0.3339

■ 76.3043, 0.2544,
0.4116

99.9981, 0.3127,
0.3290

 75.3196, 0.2538,
0.4242

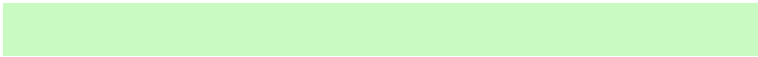
 74.6800, 0.2551,
0.4367

 74.4876, 0.2560,
0.4416

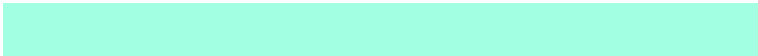
Harmonies

Analogous

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



84.7428, 0.3132, 0.3917



84.7428, 0.2762, 0.3631



84.7428, 0.2499, 0.3248

Triad

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



84.7428, 0.2762, 0.3631



84.7428, 0.2719, 0.2654



84.7428, 0.3913, 0.3595

Complementary

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



84.7428, 0.2762, 0.3631



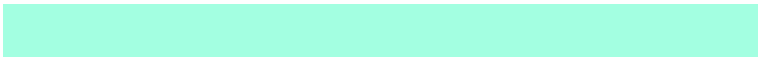
51.3275, 0.3713, 0.2978

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.



84.7428, 0.3793, 0.3276



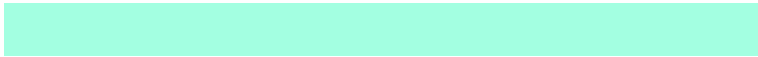
84.7428, 0.2762, 0.3631



84.7428, 0.3082, 0.2754

Square

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



84.7428, 0.2762, 0.3631



84.7428, 0.2477, 0.2702



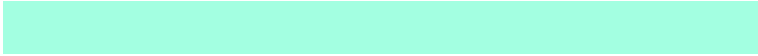
84.7428, 0.3481, 0.2976



84.7428, 0.3807, 0.3864

Rectangle

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



84.7428, 0.2762, 0.3631



84.7428, 0.2413, 0.3010



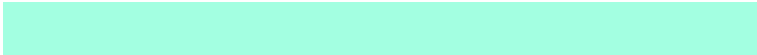
84.7428, 0.3481, 0.2976



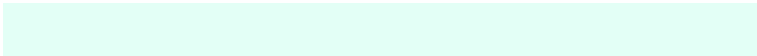
84.7428, 0.3899, 0.3491

Sweetspot

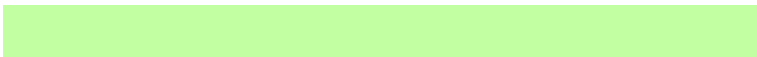
The Sweet Spot groups the original color and five complimentary colors.



84.7462, 0.2762, 0.3631



94.4870, 0.3008, 0.3382



85.5947, 0.3261, 0.4324



20.0902, 0.2993, 0.3394



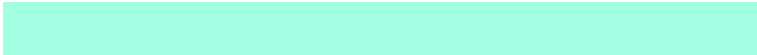
0.0000, 0.0000, 0.0000



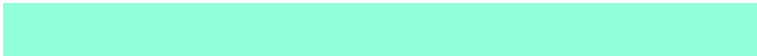
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7462, 0.2762, 0.3631



82.6971, 0.2705, 0.3709



77.1407, 0.2595, 0.3117



20.3747, 0.3024, 0.3369



38.9510, 0.2554, 0.4395



3.8126, 0.2515, 0.4253

Inverse Universe

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



51.3275, 0.3713, 0.2978



44.9599, 0.3880, 0.2918



55.8983, 0.3945, 0.3454



18.0848, 0.3243, 0.3213



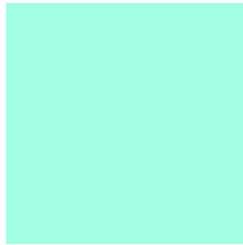
11.4613, 0.5673, 0.2899



1.1351, 0.5354, 0.2723

Previews

White Background



This preview shows how the Yxy color 84.7428, 0.2762, 0.3631 looks on a white background.

Color Contrast Check

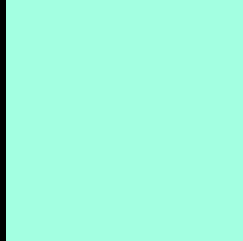
Large Text (above 18pt) WCAG AA × Fail

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 84.7428, 0.2762, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

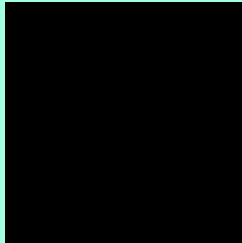
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7428, 0.2762, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 84.7428, 0.2762, 0.3631.

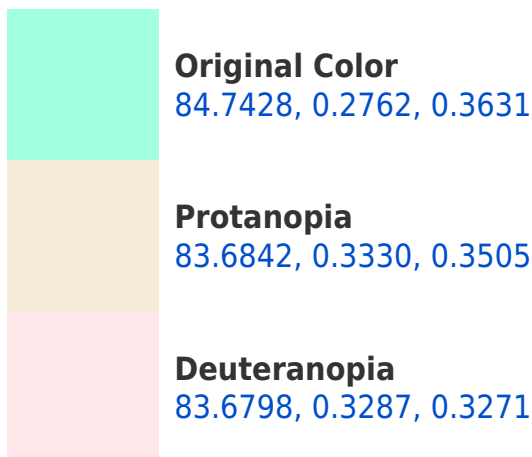


This preview shows how white text looks on a background with the Yxy color 84.7428, 0.2762, 0.3631.

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





Tritanopia

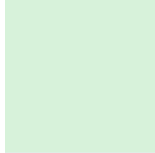
84.1586, 0.2819, 0.3163

Trichromacy



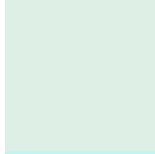
Original Color

84.7428, 0.2762, 0.3631



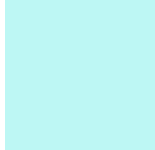
Protanomaly

83.0133, 0.3096, 0.3548



Deuteranomaly

82.9197, 0.3076, 0.3395



Tritanomaly

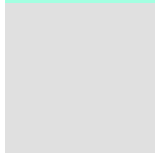
83.8720, 0.2795, 0.3322

Monochromacy



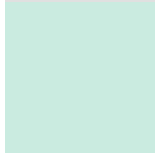
Original Color

84.7428, 0.2762, 0.3631



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 84.7428, 0.2762, 0.3631 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 84.7428, 0.2762, 0.3631 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, 225) }
```

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

```
.border{ border-color:rgb(163, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7428, 0.2762, 0.3631 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, 225) }
```

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

```
.background{ background-color: rgb(163,  
255, 225) }
```

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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