Converting Colors

Yxy(100.0000, 0.3053, 0.4358)

Have a look what the booklet for Yxy(100.0000, 0.3053, 0.4358) contains.

Yxy(84.0863, 0.3058, 0.4147) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(84.0863, 0.3058, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFB5
RGB	176, 255, 181
RGB Percent	69%, 100%, 71%
CMY	0.3098, 0.0000, 0.2902
CMYK	0.31, 0.00, 0.29, 0.00
HSL	124°, 100%, 85%
HSV	124°, 31%, 100%
XYZ	62.0053, 84.0863, 56.6726
YIQ	222.9430, -23.3300, -39.7620

Conversions

Conversions Part 2

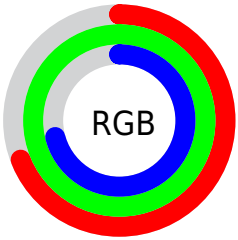
Format	Color
RYB	176, 250, 255
Decimal	11599797
CIELab	93.49, -38.29, 27.89
CIELCh	93, 47.370, 143.926
Yxy	84.0863, 0.3058, 0.4147
Android (android.graphics.Color)	4289789877 (0xFFB0FFB5)
YUV	222.9430, -20.6779, -41.1690
Hunter-Lab	91.6986, -39.7733, 27.5459

Details

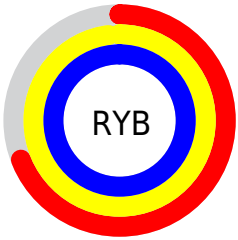
The Yxy color 84.0863, 0.3058, 0.4147 is a light color, and the websafe version is hex 99FFCC. A complement of this color would be 59.2171, 0.3201, 0.2561, and the grayscale version is 73.9118, 0.3127, 0.3290.

A 20% lighter version of the original color is 94.9581, 0.3094, 0.3471, and 46.0116, 0.3028, 0.4357 is the 20% darker color. If you saturate the color by 10%, you get 80.4901, 0.3036, 0.4481, and if you desaturate by 10%, it is 88.4102, 0.3081, 0.3837.

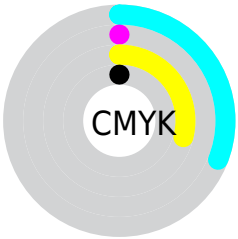
Distribution



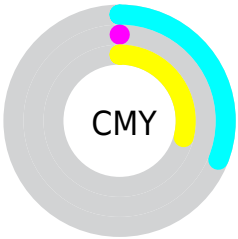
- Red (69%)
- Green (100%)
- Blue (71%)



- Red (69%)
- Yellow (98%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0863, 0.3058, 0.4147 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 84.0863, 0.3058, 0.4147 by changing the saturation by 10% instead.

84.0863, 0.3058, 0.4147

84.0863, 0.3058, 0.4147

508.5998, 0.3101, 0.3740

63.0867, 0.3046, 0.4242

139.0959, 0.3075, 0.4004

45.9113, 0.3029, 0.4361

173.8747, 0.3081, 0.3949

32.1759, 0.3006, 0.4512

214.0153, 0.3086, 0.3902

21.4959, 0.2971, 0.4712

259.9021, 0.3090, 0.3861

13.4869, 0.2918, 0.4987

311.9196, 0.3093, 0.3825

7.7647, 0.2827, 0.5385

370.4521, 0.3096,

3.9448, 0.2656,

0.3793

0.6003

435.8840, 0.3098, 0.3765

1.6427, 0.2278, 0.7722

0.3861, 0.0000, 1.0000

84.0863, 0.3058, 0.4147

84.0863, 0.3058, 0.4147

80.4901, 0.3036, 0.4481

88.4102, 0.3081, 0.3837

77.5798, 0.3015, 0.4827

93.4968, 0.3104, 0.3558

75.3124, 0.2999, 0.5164

99.3810, 0.3125, 0.3312

73.6389, 0.2988, 0.5469

100.0000, 0.3127, 0.3290

72.5035, 0.2985, 0.5716

71.8399, 0.2987, 0.5886

71.5577, 0.2992, 0.5972

Harmonies

Analogous

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

84.0863, 0.3590, 0.4278

84.0863, 0.3058, 0.4147

84.0863, 0.2570, 0.3707

Triad

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

84.0863, 0.3058, 0.4147

84.0863, 0.2276, 0.2472

84.0863, 0.4087, 0.3305

Complementary

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

84.0863, 0.3058, 0.4147

59.2171, 0.3201, 0.2561

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.

84.0863, 0.3673, 0.2905

84.0863, 0.3058, 0.4147

84.0863, 0.2617, 0.2442

Square

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

84.0863, 0.3058, 0.4147

84.0863, 0.2148, 0.2713

84.0863, 0.3122, 0.2599

84.0863, 0.4212, 0.3730

Rectangle

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

84.0863, 0.3058, 0.4147

84.0863, 0.2332, 0.3337

84.0863, 0.3122, 0.2599

84.0863, 0.3976, 0.3165

Sweetspot

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

84.0869, 0.3058, 0.4147

94.5959, 0.3108, 0.3507

95.1735, 0.3570, 0.4074

20.0736, 0.3105, 0.3545

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.

84.0869, 0.3058, 0.4147

81.8361, 0.3044, 0.4346

85.8895, 0.2857, 0.3689

20.1867, 0.3107, 0.3520

37.3974, 0.2989, 0.5962

3.6475, 0.2965, 0.5872

Inverse Universe

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

59.2171, 0.3201, 0.2561

53.4701, 0.3218, 0.2422

57.0449, 0.3517, 0.2925

18.2794, 0.3148, 0.3070

14.3709, 0.3374, 0.1633

1.4050, 0.3354, 0.1621

Previews

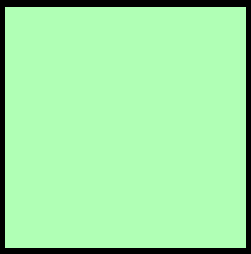
White Background

This preview shows how the Yxy color 84.0863, 0.3058, 0.4147 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



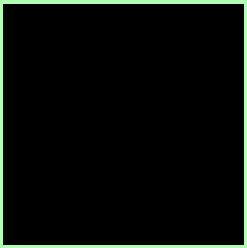
This preview shows how the Yxy color 84.0863, 0.3058, 0.4147 looks on a black background.

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 84.0863, 0.3058, 0.4147 Background



This preview shows how black text looks on a background with the Yxy color 84.0863, 0.3058, 0.4147.

This preview shows how white text looks on a background with the Yxy color 84.0863, 0.3058, 0.4147.

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
84.0863, 0.3058, 0.4147

Protanopia
83.2779, 0.3664, 0.3929

Deuteranopia
83.2669, 0.3406, 0.3461

Tritanopia
83.3960, 0.2835, 0.3143

Trichromacy

Original Color
84.0863, 0.3058, 0.4147

Protanomaly
82.6070, 0.3425, 0.4011

Deuteranomaly
82.7532, 0.3268, 0.3695

Tritanomaly
83.2487, 0.2920, 0.3487

Monochromacy

Original Color
84.0863, 0.3058, 0.4147

Achromatopsia
73.7910, 0.3127, 0.3290

Achromatomaly
77.0925, 0.3100, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0863, 0.3058, 0.4147 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(176, 255, 181) looks like.

```
.text, #text, p{
    color:rgb(176, 255, 181)
}
```

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(176, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 84.0863, 0.3058, 0.4147 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(176, 255, 181) }
```

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

```
.border{ border-color:rgb(176, 255, 181) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 181); box-shadow:4px 4px 4px 4px rgb(176, 255, 181) }
```

Background

The CSS property to change the background color of an element to Yxy 84.0863, 0.3058, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 255, 181) }
```

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

```
.background{ background-color:rgb(176,
255, 181) }
```

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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