Converting Colors

Yxy(96.7440, 0.2874, 0.3834)

Have a look what the booklet for Yxy(96.7440, 0.2874, 0.3834) contains.

Yxy(86.3242, 0.2865, 0.3670) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(86.3242, 0.2865, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFDD
RGB	179, 255, 221
RGB Percent	70%, 100%, 87%
CMY	0.2983, 0.0000, 0.1334
CMYK	0.30, 0.00, 0.13, 0.00
HSL	153°, 100%, 85%
HSV	153°, 30%, 100%
XYZ	67.3893, 86.3242, 81.5023
YIQ	228.4000, -34.3820, -26.6860

Conversions

Conversions Part 2

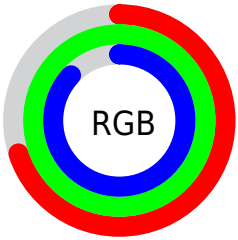
Format	Color
RYB	179, 228, 255
Decimal	11796445
CIELab	94.45, -30.23, 8.84
CIELCh	94, 31.498, 163.703
Yxy	86.3242, 0.2865, 0.3670
Android (android.graphics.Color)	4289986525 (0xFFB3FFDD)
YUV	228.4000, -3.6482, -43.3238
Hunter-Lab	92.9108, -33.1257, 13.0278

Details

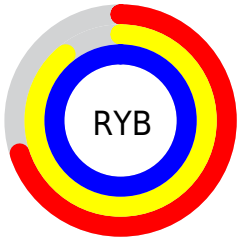
The Yxy color 86.3242, 0.2865, 0.3670 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 58.2800, 0.3500, 0.2941, and the grayscale version is 77.9220, 0.3127, 0.3290.

A 20% lighter version of the original color is 96.5729, 0.3011, 0.3290, and 47.4264, 0.2805, 0.3759 is the 20% darker color. If you saturate the color by 10%, you get 82.9676, 0.2790, 0.3823, and if you desaturate by 10%, it is 90.2684, 0.2948, 0.3529.

Distribution

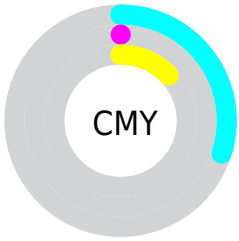


- Red (70%)
- Green (100%)
- Blue (87%)



- Red (70%)
- Yellow (89%)
- Blue (100%)

- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3242, 0.2865, 0.3670 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 86.3242, 0.2865, 0.3670 by changing the saturation by 10% instead.

86.3242, 0.2865, 0.3670

86.3242, 0.2865, 0.3670

515.9996, 0.2985, 0.3495

64.9361, 0.2838, 0.3710

142.2218, 0.2906, 0.3609

47.4093, 0.2805, 0.3759

177.5001, 0.2922, 0.3586

33.3593, 0.2763, 0.3822

218.1773, 0.2936, 0.3565

22.4018, 0.2709, 0.3903

264.6377, 0.2949, 0.3547

14.1525, 0.2635, 0.4014

317.2657, 0.2959, 0.3532

8.2268, 0.2532, 0.4173

376.4458, 0.2969,

4.2404, 0.2373,

0.3518

0.4421

442.5623, 0.2977, 0.3506

1.8089, 0.2101, 0.4857

0.4927, 0.0000, 1.0000

86.3242, 0.2865, 0.3670

86.3242, 0.2865, 0.3670

82.9676, 0.2790, 0.3823

90.2684, 0.2948, 0.3529

80.1899, 0.2727, 0.3986

94.8528, 0.3037, 0.3402

77.9485, 0.2680, 0.4158

100.0000, 0.3127, 0.3290

76.2047, 0.2650, 0.4335

74.9140, 0.2641, 0.4513

74.0238, 0.2653, 0.4687

73.4501, 0.2682, 0.4854

73.4413, 0.2682, 0.4857

Harmonies

Analogous

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

86.3242, 0.3215, 0.3892

86.3242, 0.2865, 0.3670

86.3242, 0.2595, 0.3333

Triad

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

86.3242, 0.2865, 0.3670

86.3242, 0.2693, 0.2704

86.3242, 0.3837, 0.3509

Complementary

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

86.3242, 0.2865, 0.3670

58.2800, 0.3500, 0.2941

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.

86.3242, 0.3682, 0.3214

86.3242, 0.2865, 0.3670

86.3242, 0.3007, 0.2766

Square

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

86.3242, 0.2865, 0.3670

86.3242, 0.2501, 0.2784

86.3242, 0.3372, 0.2949

86.3242, 0.3786, 0.3770

Rectangle

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

86.3242, 0.2865, 0.3670

86.3242, 0.2491, 0.3107

86.3242, 0.3372, 0.2949

86.3242, 0.3807, 0.3411

Sweetspot

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

86.3165, 0.2865, 0.3670

95.2605, 0.3045, 0.3392

88.9439, 0.3299, 0.4111

20.2366, 0.3031, 0.3410

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.

86.3165, 0.2865, 0.3670

84.1796, 0.2818, 0.3763

85.9147, 0.2691, 0.3248

20.3362, 0.3040, 0.3398

38.4052, 0.2675, 0.4829

3.7614, 0.2622, 0.4638

Inverse Universe

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

58.2800, 0.3500, 0.2941

51.8977, 0.3607, 0.2866

58.2751, 0.3788, 0.3332

18.1221, 0.3224, 0.3184

11.7734, 0.5188, 0.2631

1.1680, 0.4906, 0.2476

Previews

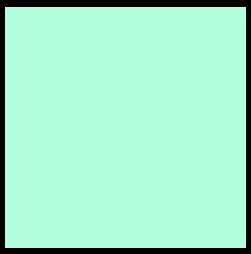
White Background

This preview shows how the Yxy color 86.3242, 0.2865, 0.3670 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



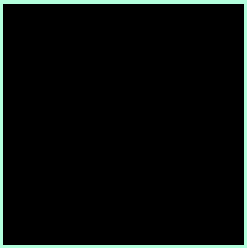
This preview shows how the Yxy color 86.3242, 0.2865, 0.3670 looks on a black background.

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 86.3242, 0.2865, 0.3670 Background



This preview shows how black text looks on a background with the Yxy color 86.3242, 0.2865, 0.3670.

This preview shows how white text looks on a background with the Yxy color 86.3242, 0.2865, 0.3670.

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
86.3242, 0.2865, 0.3670

Protanopia
85.2783, 0.3361, 0.3544

Deuteranopia
85.3073, 0.3291, 0.3310

Tritanopia
86.0675, 0.2872, 0.3176

Trichromacy

Original Color
86.3242, 0.2865, 0.3670

Protanomaly
85.2956, 0.3165, 0.3597

Deuteranomaly
84.7875, 0.3120, 0.3436

Tritanomaly
86.0234, 0.2869, 0.3342

Monochromacy

Original Color
86.3242, 0.2865, 0.3670

Achromatopsia
77.5822, 0.3127, 0.3290

Achromatomaly
80.2870, 0.3023, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3242, 0.2865, 0.3670 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(179, 255, 221) looks like.

```
.text, #text, p{
    color:rgb(179, 255, 221)
}
```

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(179, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 86.3242, 0.2865, 0.3670 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(179, 255, 221) }
```

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

```
.border{ border-color:rgb(179, 255, 221) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 221); box-shadow:4px 4px 4px 4px rgb(179, 255, 221) }
```

Background

The CSS property to change the background color of an element to Yxy 86.3242, 0.2865, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(179, 255, 221) }
```

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

```
.background{ background-color:rgb(179,
255, 221) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor