Converting Colors

Yxy(85.5736, 0.2799, 0.3318)

Have a look what the booklet for Yxy(85.5736, 0.2799, 0.3318) contains.

Color

Yxy(85.6117, 0.2803, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	C0F9F6
RGB	192, 249, 246
RGB Percent	75%, 98%, 96%
CMY	0.2469, 0.0236, 0.0352
CMYK	0.23, 0.00, 0.01, 0.02
HSL	177°, 83%, 86%
HSV	177°, 23%, 98%
XYZ	72.2582, 85.6117, 99.9190
YIQ	231.6150, -33.0090, -13.0170

Conversions

Conversions Part 2

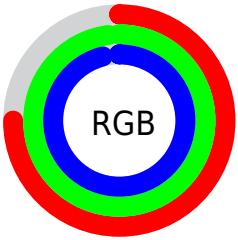
Format	Color
RYB	192, 221, 249
Decimal	12646902
CIELab	94.15, -18.43, -4.45
CIELCh	94, 18.959, 193.565
Yxy	85.6117, 0.2803, 0.3321
Android (android.graphics.Color)	4290836982 (0xFFC0F9F6)
YUV	231.6150, 7.0918, -34.7424
Hunter-Lab	92.5266, -22.5227, 0.7417

Details

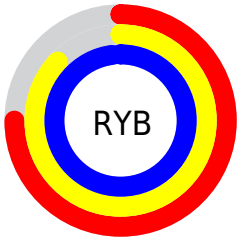
The Yxy color 85.6117, 0.2803, 0.3321 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 61.7981, 0.3575, 0.3260, and the grayscale version is 80.3665, 0.3127, 0.3290.

A 20% lighter version of the original color is 98.8797, 0.3090, 0.3290, and 46.7353, 0.2730, 0.3317 is the 20% darker color. If you saturate the color by 10%, you get 82.5546, 0.2679, 0.3336, and if you desaturate by 10%, it is 89.2262, 0.2939, 0.3307.

Distribution

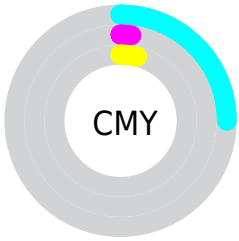


- Red (75%)
- Green (98%)
- Blue (96%)



- Red (75%)
- Yellow (87%)
- Blue (98%)

- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)



- Cyan (25%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6117, 0.2803, 0.3321 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 85.6117, 0.2803, 0.3321 by changing the saturation by 10% instead.

85.6117, 0.2803, 0.3321

513.6500, 0.2948, 0.3309

141.2275, 0.2852, 0.3317

176.3473, 0.2872, 0.3315

216.8543, 0.2888, 0.3314

263.1328, 0.2903, 0.3313

315.5672, 0.2916, 0.3312

374.5419, 0.2928,

85.6117, 0.2803, 0.3321

64.3469, 0.2771, 0.3323

46.9317, 0.2733, 0.3326

32.9817, 0.2684, 0.3329

22.1124, 0.2623, 0.3333

13.9395, 0.2542, 0.3337

8.0786, 0.2431, 0.3341

4.1453, 0.2267,

0.3311

0.3344

440.4414, 0.2938, 0.3310

1.7552, 0.2007, 0.3341

0.4590, 0.0000, 0.3615

85.6117, 0.2803, 0.3321

85.6117, 0.2803, 0.3321

82.5546, 0.2679, 0.3336

89.2262, 0.2939, 0.3307

80.0168, 0.2569, 0.3353

93.4133, 0.3084, 0.3294

77.9717, 0.2476, 0.3370

95.9053, 0.3160, 0.3281

76.3862, 0.2402, 0.3387

95.9872, 0.3152, 0.3269

75.2232, 0.2348, 0.3405

96.0696, 0.3144, 0.3256

74.4396, 0.2313, 0.3422

96.1526, 0.3137, 0.3244

73.9835, 0.2296, 0.3439

96.2281, 0.3130, 0.3233

73.8033, 0.2292, 0.3452

Harmonies

Analogous

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

85.6117, 0.2972, 0.3516

85.6117, 0.2803, 0.3321

85.6117, 0.2720, 0.3125

Triad

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

85.6117, 0.2803, 0.3321

85.6117, 0.3056, 0.2964

85.6117, 0.3526, 0.3587

Complementary

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

85.6117, 0.2803, 0.3321

61.7981, 0.3575, 0.3260

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.

85.6117, 0.3552, 0.3431

85.6117, 0.2803, 0.3321

85.6117, 0.3276, 0.3079

Square

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

85.6117, 0.2803, 0.3321

85.6117, 0.2862, 0.2928

85.6117, 0.3460, 0.3247

85.6117, 0.3390, 0.3669

Rectangle

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

85.6117, 0.2803, 0.3321

85.6117, 0.2722, 0.3023

85.6117, 0.3460, 0.3247

85.6117, 0.3548, 0.3541

Sweetspot

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

85.6152, 0.2803, 0.3321

96.7104, 0.3023, 0.3299

83.2701, 0.3121, 0.3930

20.6424, 0.3015, 0.3300

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.

85.6152, 0.2803, 0.3321

88.9684, 0.2750, 0.3327

71.5325, 0.2766, 0.3017

19.5920, 0.2987, 0.3302

39.5145, 0.2291, 0.3449

3.6644, 0.2286, 0.3428

Inverse Universe

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

61.7981, 0.3575, 0.3260

60.1477, 0.3684, 0.3254

73.4291, 0.3543, 0.3548

17.2399, 0.3286, 0.3278

10.8021, 0.6347, 0.3270

1.0055, 0.6219, 0.3199

Previews

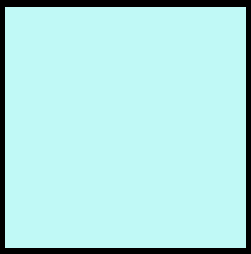
White Background

This preview shows how the Yxy color 85.6117, 0.2803, 0.3321 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



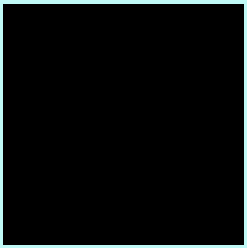
This preview shows how the Yxy color 85.6117, 0.2803, 0.3321 looks on a black background.

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 85.6117, 0.2803, 0.3321 Background



This preview shows how black text looks on a background with the Yxy color 85.6117, 0.2803, 0.3321.

This preview shows how white text looks on a background with the Yxy color 85.6117, 0.2803, 0.3321.

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
85.6117, 0.2803, 0.3321

Protanopia
84.9237, 0.3142, 0.3260

Deuteranopia
84.7558, 0.3170, 0.3096

Tritanopia
85.6173, 0.2878, 0.3165

Trichromacy

Original Color
85.6117, 0.2803, 0.3321

Protanomaly
85.0094, 0.3006, 0.3279

Deuteranomaly
84.5637, 0.3022, 0.3168

Tritanomaly
85.4549, 0.2848, 0.3216

Monochromacy

Original Color
85.6117, 0.2803, 0.3321

Achromatopsia
80.6952, 0.3127, 0.3290

Achromatomaly
82.0152, 0.2997, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6117, 0.2803, 0.3321 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(192, 249, 246) looks like.

```
.text, #text, p{
    color:rgb(192, 249, 246)
}
```

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(192, 249, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 249, 246) }
```

Border

The CSS property to change the border of an element to Yxy 85.6117, 0.2803, 0.3321 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(192, 249, 246) }
```

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

```
.border{ border-color:rgb(192, 249, 246) }
```

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

Here you see how a box with a 4 pixel rgb(192, 249, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 249, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 249, 246); box-shadow:4px 4px 4px 4px rgb(192, 249, 246) }
```

Background

The CSS property to change the background color of an element to Yxy 85.6117, 0.2803, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(192, 249, 246) }
```

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

```
.background{ background-color:rgb(192,
249, 246) }
```

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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