Converting Colors

Yxy(64.6981, 0.2854, 0.3340)

Have a look what the booklet for Yxy(64.6981, 0.2854, 0.3340) contains.

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Color

Yxy(64.6833, 0.2852, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	AFDBD7
RGB	175, 219, 215
RGB Percent	69%, 86%, 84%
CMY	0.3136, 0.1412, 0.1568
CMYK	0.20, 0.00, 0.02, 0.14
HSL	175°, 38%, 77%
HSV	175°, 20%, 86%
XYZ	55.2822, 64.6833, 73.8712
YIQ	205.3880, -24.9400, -10.5720

Conversions

Conversions Part 2

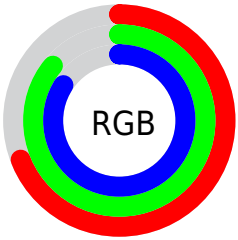
Format	Color
RYB	175, 198, 219
Decimal	11525079
CIELab	84.32, -15.05, -2.77
CIELCh	84, 15.300, 190.442
Yxy	64.6833, 0.2852, 0.3337
Android (android.graphics.Color)	4289715159 (0xFFAFDBD7)
YUV	205.3880, 4.7387, -26.6503
Hunter-Lab	80.4259, -18.0502, 1.8403

Details

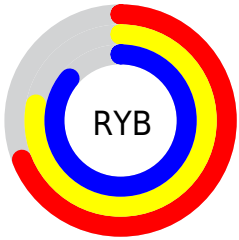
The Yxy color 64.6833, 0.2852, 0.3337 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 48.9855, 0.3489, 0.3244, and the grayscale version is 61.2964, 0.3127, 0.3290.

A 20% lighter version of the original color is 95.7289, 0.2982, 0.3290, and 33.2266, 0.2790, 0.3353 is the 20% darker color. If you saturate the color by 10%, you get 62.2522, 0.2729, 0.3363, and if you desaturate by 10%, it is 67.5319, 0.2985, 0.3313.

Distribution

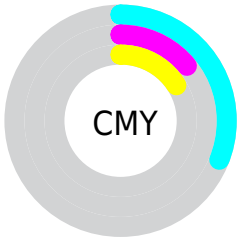


- Red (69%)
- Green (86%)
- Blue (84%)



- Red (69%)
- Yellow (78%)
- Blue (86%)

- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (31%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6833, 0.2852, 0.3337 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 64.6833, 0.2852, 0.3337 by changing the saturation by 10% instead.

64.6833, 0.2852, 0.3337

64.6833, 0.2852, 0.3337

441.6530, 0.2981, 0.3316

47.2043, 0.2822, 0.3342

111.5944, 0.2897, 0.3330

33.1972, 0.2785, 0.3347

141.7954, 0.2915, 0.3327

22.2776, 0.2737, 0.3354

177.0057, 0.2930, 0.3324

14.0610, 0.2673, 0.3364

217.6099, 0.2943, 0.3322

8.1631, 0.2586, 0.3375

263.9924, 0.2954, 0.3320

4.1995, 0.2456, 0.3391

316.5374, 0.2964,

1.7858, 0.2248,

0.3319

0.3413

375.6295, 0.2973, 0.3317

0.4783, 0.0682, 0.3736

0.0000, 0.0000, 0.0000

64.6833, 0.2852, 0.3337

64.6833, 0.2852, 0.3337

62.2522, 0.2729, 0.3363

67.5319, 0.2985, 0.3313

60.2109, 0.2619, 0.3392

70.8085, 0.3126, 0.3290

58.5405, 0.2524, 0.3421

74.5330, 0.3271, 0.3270

57.2177, 0.2447, 0.3451

77.2466, 0.3362, 0.3251

56.2163, 0.2390, 0.3482

55.5064, 0.2351, 0.3513

55.0526, 0.2332, 0.3544

54.7930, 0.2326, 0.3575

77.3541, 0.3348, 0.3231

77.4629, 0.3334, 0.3211

77.5730, 0.3320, 0.3192

77.6844, 0.3307, 0.3172

77.7970, 0.3293, 0.3153

Harmonies

Analogous

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

64.6833, 0.3009, 0.3505

64.6833, 0.2852, 0.3337

64.6833, 0.2769, 0.3162

Triad

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

64.6833, 0.2852, 0.3337

64.6833, 0.3045, 0.2993

64.6833, 0.3488, 0.3542

Complementary

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

64.6833, 0.2852, 0.3337

48.9855, 0.3489, 0.3244

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.

64.6833, 0.3500, 0.3400

64.6833, 0.2852, 0.3337

64.6833, 0.3240, 0.3089

Square

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

64.6833, 0.2852, 0.3337

64.6833, 0.2877, 0.2970

64.6833, 0.3408, 0.3236

64.6833, 0.3377, 0.3622

Rectangle

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

64.6833, 0.2852, 0.3337

64.6833, 0.2764, 0.3066

64.6833, 0.3408, 0.3236

64.6833, 0.3504, 0.3500

Sweetspot

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

64.6860, 0.2852, 0.3337

97.1239, 0.3041, 0.3303

63.3923, 0.3133, 0.3837

20.7244, 0.3032, 0.3305

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.

64.6860, 0.2852, 0.3337

89.8311, 0.2800, 0.3348

56.1960, 0.2815, 0.3074

14.8082, 0.2994, 0.3311

32.4990, 0.2325, 0.3570

2.1115, 0.2311, 0.3520

Inverse Universe

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

48.9855, 0.3489, 0.3244

63.8940, 0.3585, 0.3234

56.1261, 0.3485, 0.3496

13.0706, 0.3277, 0.3269

8.9664, 0.6293, 0.3240

0.5876, 0.6010, 0.3085

Previews

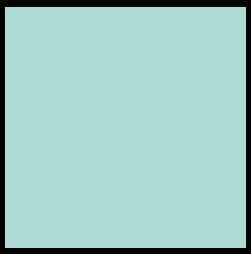
White Background

This preview shows how the Yxy color 64.6833, 0.2852, 0.3337 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



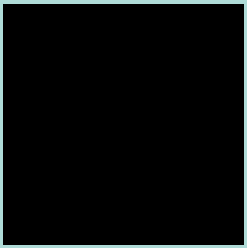
This preview shows how the Yxy color 64.6833, 0.2852, 0.3337 looks on a black background.

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 64.6833, 0.2852, 0.3337 Background



This preview shows how black text looks on a background with the Yxy color 64.6833, 0.2852, 0.3337.

This preview shows how white text looks on a background with the Yxy color 64.6833, 0.2852, 0.3337.

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
64.6833, 0.2852, 0.3337

Protanopia
64.5005, 0.3165, 0.3290

Deuteranopia
64.4164, 0.3195, 0.3137

Tritanopia
64.5786, 0.2769, 0.3091

Trichromacy

Original Color
64.6833, 0.2852, 0.3337

Protanomaly
64.5710, 0.3046, 0.3313

Deuteranomaly
63.8761, 0.3058, 0.3199

Tritanomaly
64.5817, 0.2804, 0.3183

Monochromacy

Original Color
64.6833, 0.2852, 0.3337

Achromatopsia
61.0496, 0.3127, 0.3290

Achromatomaly
62.1660, 0.3017, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6833, 0.2852, 0.3337 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(175, 219, 215) looks like.

```
.text, #text, p{
    color:rgb(175, 219, 215)
}
```

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(175, 219, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 219, 215) }
```

Border

The CSS property to change the border of an element to Yxy 64.6833, 0.2852, 0.3337 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(175, 219, 215) }
```

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

```
.border{ border-color:rgb(175, 219, 215) }
```

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

Here you see how a box with a 4 pixel rgb(175, 219, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 219, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 219, 215); box-shadow:4px 4px 4px 4px rgb(175, 219, 215) }
```

Background

The CSS property to change the background color of an element to Yxy 64.6833, 0.2852, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(175, 219, 215) }
```

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

```
.background{ background-color:rgb(175,
219, 215) }
```

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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