

Converting Colors

Yxy(63.9428, 0.2862, 0.3314)

Have a look what the booklet for
Yxy(63.9428, 0.2862, 0.3314)
contains.

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Color

Yxy(63.8791, 0.2864, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	B1D9D7
RGB	177, 217, 215
RGB Percent	69%, 85%, 84%
CMY	0.3056, 0.1491, 0.1568
CMYK	0.18, 0.00, 0.01, 0.15
HSL	177°, 34%, 77%
HSV	177°, 18%, 85%
XYZ	55.2218, 63.8791, 73.7126
YIQ	204.8120, -23.1980, -9.1020

Conversions

Conversions Part 2

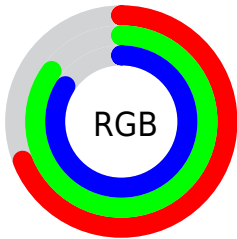
Format	Color
RYB	177, 198, 217
Decimal	11655639
CIELab	83.90, -13.40, -3.37
CIELCh	84, 13.816, 194.105
Yxy	63.8791, 0.2864, 0.3313
Android (android.graphics.Color)	4289845719 (0xFFB1D9D7)
YUV	204.8120, 5.0227, -24.3911
Hunter-Lab	79.9244, -16.5376, 1.2652

Details

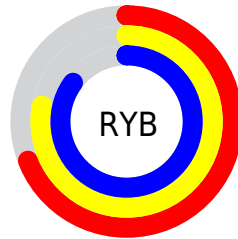
The Yxy color **63.8791, 0.2864, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.4781, 0.3466, 0.3267**, and the grayscale version is **60.9123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **32.6638, 0.2804, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **61.4765, 0.2734, 0.3327**, and if you desaturate by 10%, it is **66.6925, 0.3004, 0.3300**.

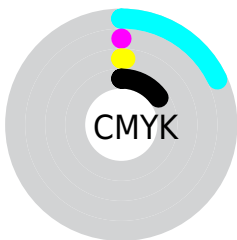
Distribution



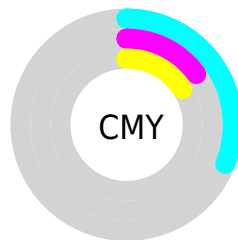
- Red (69%)
- Green (85%)
- Blue (84%)



- Red (69%)
- Yellow (78%)
- Blue (85%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)





- Cyan (31%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8791, 0.2864, 0.3313 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 63.8791, 0.2864, 0.3313 by changing the saturation by 10% instead.


 63.8791, 0.2864,
0.3313

 63.8791, 0.2864,
0.3313


438.7529, 0.2988,
0.3303

 46.5528, 0.2835,
0.3315


 110.4368, 0.2907,
0.3310

 32.6822, 0.2799,
0.3317


140.4370, 0.2924,
0.3308

 21.8831, 0.2753,
0.3320


175.4305, 0.2939,
0.3307

 13.7710, 0.2692,
0.3324

215.8018, 0.2951,
0.3306

 7.9616, 0.2608,
0.3327

261.9353, 0.2962,
0.3305

 4.0704, 0.2482,
0.3331

314.2154, 0.2972,

 1.7130, 0.2279,

0.3305

373.0265, 0.2980,
0.3304

0.3333

0.4321, 0.0684,
0.3537

0.0000, 0.0000,
0.0000

63.8791, 0.2864,
0.3313

63.8791, 0.2864,
0.3313

61.4765, 0.2734,
0.3327

66.6925, 0.3004,
0.3300

59.4578, 0.2618,
0.3342

69.9266, 0.3151,
0.3288

57.8049, 0.2518,
0.3358

73.6009, 0.3303,
0.3278

56.4952, 0.2435,
0.3374

76.0111, 0.3391,
0.3267

■ 55.5038, 0.2371,
0.3390

■ 76.0682, 0.3383,
0.3256

■ 54.8020, 0.2327,
0.3407

■ 76.1256, 0.3375,
0.3246

■ 54.3565, 0.2301,
0.3423

■ 76.1834, 0.3368,
0.3235

■ 54.1174, 0.2291,
0.3439

■ 76.2416, 0.3360,
0.3224

■ 54.0865, 0.2290,
0.3442

■ 76.3001, 0.3352,
0.3213

Harmonies

Analogous

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



63.8791, 0.3000, 0.3468



63.8791, 0.2864, 0.3313



63.8791, 0.2798, 0.3157

Triad

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



63.8791, 0.2864, 0.3313



63.8791, 0.3074, 0.3027



63.8791, 0.3446, 0.3532

Complementary

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



63.8791, 0.2864, 0.3313



49.4781, 0.3466, 0.3267

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.



63.8791, 0.3468, 0.3408



63.8791, 0.2864, 0.3313



63.8791, 0.3250, 0.3122

Square

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



63.8791, 0.2864, 0.3313



63.8791, 0.2916, 0.2997



63.8791, 0.3396, 0.3259



63.8791, 0.3337, 0.3594

Rectangle

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



63.8791, 0.2864, 0.3313



63.8791, 0.2801, 0.3074



63.8791, 0.3396, 0.3259



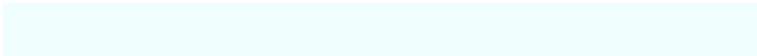
63.8791, 0.3464, 0.3496

Sweetspot

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



63.8817, 0.2864, 0.3313



97.1640, 0.3038, 0.3297



62.3884, 0.3118, 0.3788



20.7339, 0.3028, 0.3298



0.0000, 0.0000, 0.0000



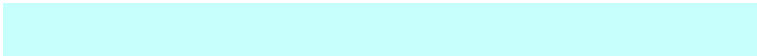
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8817, 0.2864, 0.3313



90.6903, 0.2813, 0.3318



55.2226, 0.2840, 0.3069



14.8178, 0.2989, 0.3301



32.7497, 0.2289, 0.3440



2.1252, 0.2281, 0.3413

Inverse Universe

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



49.4781, 0.3466, 0.3267



66.3103, 0.3555, 0.3263



56.9719, 0.3446, 0.3501



13.0619, 0.3284, 0.3279



8.9488, 0.6344, 0.3269



0.5835, 0.6179, 0.3177

Previews

White Background



This preview shows how the Yxy color 63.8791, 0.2864, 0.3313 looks on a white background.

Color Contrast Check

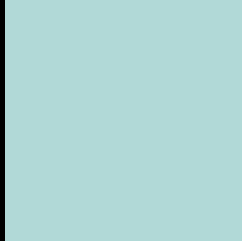
Large Text (above 18pt) WCAG AA × Fail

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 63.8791, 0.2864, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

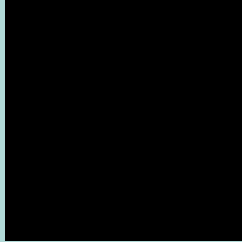
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

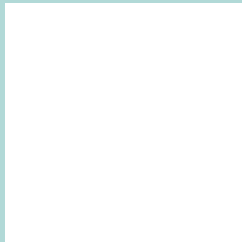
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8791, 0.2864, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 63.8791, 0.2864, 0.3313.

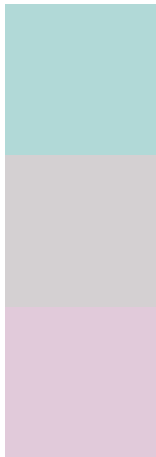


This preview shows how white text looks on a background with the Yxy color 63.8791, 0.2864, 0.3313.

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

63.8791, 0.2864, 0.3313

Protanopia

63.7619, 0.3143, 0.3267

Deuteranopia

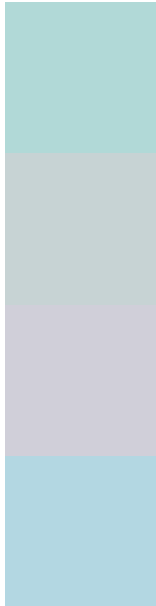
63.3106, 0.3189, 0.3115



Tritanopia

63.6226, 0.2779, 0.3079

Trichromacy



Original Color

63.8791, 0.2864, 0.3313

Protanomaly

63.4841, 0.3033, 0.3278

Deuteranomaly

63.0453, 0.3065, 0.3176

Tritanomaly

63.6756, 0.2809, 0.3159

Monochromacy



Original Color

63.8791, 0.2864, 0.3313

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.8065, 0.3024, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8791, 0.2864, 0.3313 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(177, 217, 215)` looks like.

```
.text, #text, p{  
    color:rgb(177, 217, 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(177, 217, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 217, 215) }
```

Border

The CSS property to change the border of an element to Yxy 63.8791, 0.2864, 0.3313 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(177, 217, 215) }
```

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

```
.border{ border-color:rgb(177, 217, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 217, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 217, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 217, 215);  
box-shadow:4px 4px 4px 4px rgb(177, 217,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8791, 0.2864, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 217, 215) }
```

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

```
.background{ background-color: rgb(177,  
217, 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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