

Converting Colors

$Y_{xy}(62.7475, 0.2637, 0.3340)$

Have a look what the booklet for
Yxy(62.7475, 0.2637, 0.3340)
contains.

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Color

Yxy(62.8800, 0.2633, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	8CDEDA
RGB	140, 222, 218
RGB Percent	55%, 87%, 85%
CMY	0.4512, 0.1294, 0.1451
CMYK	0.37, 0.00, 0.02, 0.13
HSL	177°, 55%, 71%
HSV	177°, 37%, 87%
XYZ	49.5846, 62.8800, 75.8552
YIQ	197.0260, -47.5880, -18.6280

Conversions

Conversions Part 2

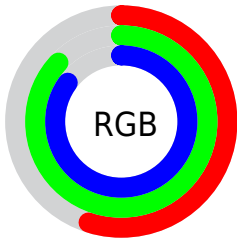
Format	Color
RYB	140, 182, 222
Decimal	9232090
CIELab	83.38, -25.85, -5.96
CIELCh	83, 26.529, 192.972
Yxy	62.8800, 0.2633, 0.3339
Android (android.graphics.Color)	4287422170 (0xFF8CDEDA)
YUV	197.0260, 10.3402, -50.0118
Hunter-Lab	79.2969, -27.1530, -1.2088

Details

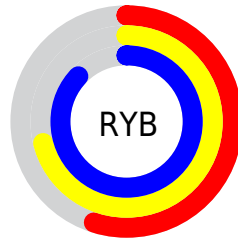
The Yxy color **62.8800, 0.2633, 0.3339** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2846, 0.3982, 0.3244**, and the grayscale version is **55.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **32.1666, 0.2513, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **61.0888, 0.2530, 0.3354**, and if you desaturate by 10%, it is **65.0655, 0.2752, 0.3324**.

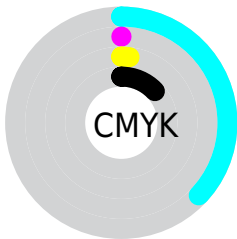
Distribution



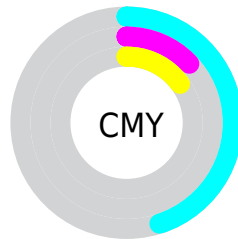
- Red (55%)
- Green (87%)
- Blue (85%)



- Red (55%)
- Yellow (71%)
- Blue (87%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)




- Cyan (45%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8800, 0.2633, 0.3339 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 62.8800, 0.2633, 0.3339 by changing the saturation by 10% instead.


 62.8800, 0.2633,
0.3339

 62.8800, 0.2633,
0.3339


435.1339, 0.2865,
0.3320

 45.7441, 0.2579,
0.3343


 108.9964, 0.2714,
0.3333

 32.0440, 0.2513,
0.3347


 138.7457, 0.2745,
0.3330

 21.3951, 0.2428,
0.3351


173.4682, 0.2772,
0.3328

 13.4131, 0.2317,
0.3355

213.5485, 0.2796,
0.3326

 7.7136, 0.2164,
0.3358

259.3707, 0.2816,
0.3324

 3.9123, 0.1943,
0.3356

311.3195, 0.2834,

 1.6246, 0.1595,

0.3322

369.7790, 0.2850,
0.3321

0.3336

0.3741, 0.0000,
0.3123

0.0000, 0.0000,
0.0000

62.8800, 0.2633,
0.3339

62.8800, 0.2633,
0.3339

61.0888, 0.2530,
0.3354

65.0655, 0.2752,
0.3324

59.6610, 0.2445,
0.3370

67.6595, 0.2883,
0.3311

58.5729, 0.2378,
0.3386

70.6845, 0.3024,
0.3298

57.7950, 0.2331,
0.3403

74.1590, 0.3173,
0.3287

■ 57.2927, 0.2303,
0.3419

■ 78.1008, 0.3325,
0.3276

■ 57.0211, 0.2291,
0.3435

■ 78.9191, 0.3347,
0.3266

■ 56.9611, 0.2289,
0.3440

■ 78.9783, 0.3340,
0.3255

■ 79.0379, 0.3332,
0.3244

■ 79.0978, 0.3325,
0.3233

Harmonies

Analogous

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



62.8800, 0.2890, 0.3651



62.8800, 0.2633, 0.3339



62.8800, 0.2507, 0.3032

Triad

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



62.8800, 0.2633, 0.3339



62.8800, 0.3007, 0.2795



62.8800, 0.3748, 0.3736

Complementary

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



62.8800, 0.2633, 0.3339



36.2846, 0.3982, 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.



62.8800, 0.3790, 0.3491



62.8800, 0.2633, 0.3339



62.8800, 0.3348, 0.2964

Square

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



62.8800, 0.2633, 0.3339



62.8800, 0.2714, 0.2739



62.8800, 0.3641, 0.3213



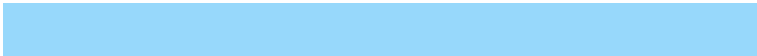
62.8800, 0.3535, 0.3879

Rectangle

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



62.8800, 0.2633, 0.3339



62.8800, 0.2509, 0.2876



62.8800, 0.3641, 0.3213



62.8800, 0.3783, 0.3662

Sweetspot

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



62.8825, 0.2633, 0.3339



94.9748, 0.2965, 0.3303



60.0752, 0.3102, 0.4398



20.2071, 0.2946, 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.



62.8825, 0.2633, 0.3339



84.2138, 0.2555, 0.3350



45.5782, 0.2542, 0.2802



15.5602, 0.2988, 0.3301



33.8342, 0.2288, 0.3437



2.3488, 0.2281, 0.3412

Inverse Universe

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



36.2846, 0.3982, 0.3244



42.9919, 0.4245, 0.3236



48.8191, 0.3861, 0.3729



13.7113, 0.3284, 0.3279



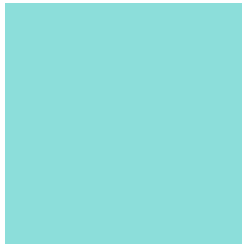
9.2431, 0.6346, 0.3270



0.6446, 0.6191, 0.3184

Previews

White Background



This preview shows how the Yxy color 62.8800, 0.2633, 0.3339 looks on a white background.

Color Contrast Check

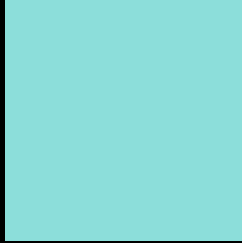
Large Text (above 18pt) WCAG AA × Fail

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 62.8800, 0.2633, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

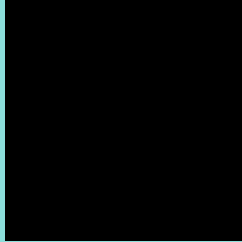
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

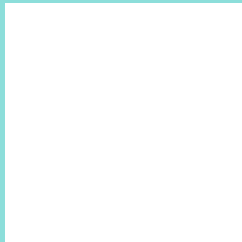
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8800, 0.2633, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 62.8800, 0.2633, 0.3339.

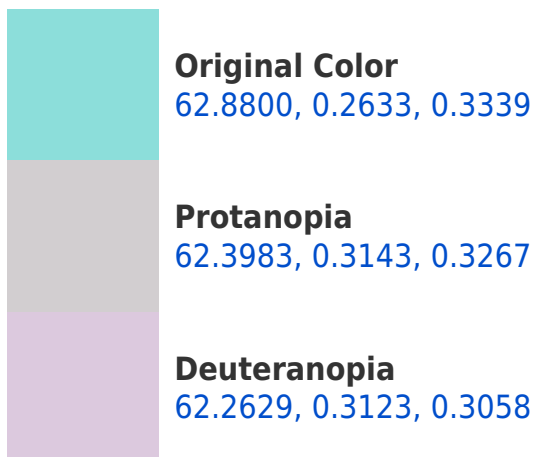


This preview shows how white text looks on a background with the Yxy color 62.8800, 0.2633, 0.3339.

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





Tritanopia

62.7972, 0.2556, 0.3070

Trichromacy



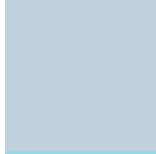
Original Color

62.8800, 0.2633, 0.3339



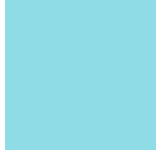
Protanomaly

62.1547, 0.2934, 0.3289



Deuteranomaly

61.8978, 0.2917, 0.3149



Tritanomaly

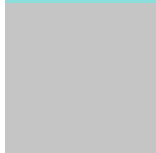
62.7392, 0.2583, 0.3165

Monochromacy



Original Color

62.8800, 0.2633, 0.3339



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

57.7805, 0.2914, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8800, 0.2633, 0.3339 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(140, 222, 218)` looks like.

```
.text, #text, p{  
    color:rgb(140, 222, 218)  
}
```

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(140, 222, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 222, 218) }
```

Border

The CSS property to change the border of an element to Yxy 62.8800, 0.2633, 0.3339 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(140, 222, 218) }
```

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

```
.border{ border-color:rgb(140, 222, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 222, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 222, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 222, 218);  
box-shadow:4px 4px 4px 4px rgb(140, 222,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8800, 0.2633, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 222, 218) }
```

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

```
.background{ background-color: rgb(140,  
222, 218) }
```

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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