

Converting Colors

Yxy(64.5302, 0.2866, 0.3352)

Have a look what the booklet for
Yxy(64.5302, 0.2866, 0.3352)
contains.

Yxy(64.6972, 0.2870, 0.3361)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.6972, 0.2870, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	B0DBD5
RGB	176, 219, 213
RGB Percent	69%, 86%, 84%
CMY	0.3099, 0.1412, 0.1646
CMYK	0.20, 0.00, 0.03, 0.14
HSL	172°, 37%, 77%
HSV	172°, 20%, 86%
XYZ	55.2457, 64.6972, 72.5510
YIQ	205.4590, -23.7020, -10.9820

Conversions

Conversions Part 2

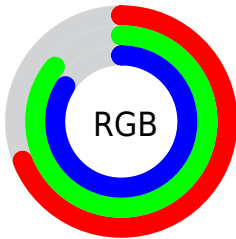
Format	Color
RYB	176, 199, 219
Decimal	11590613
CIELab	84.33, -15.17, -1.71
CIELCh	84, 15.266, 186.422
Yxy	64.6972, 0.2870, 0.3361
Android (android.graphics.Color)	4289780693 (0xFFB0DBD5)
YUV	205.4590, 3.7177, -25.8355
Hunter-Lab	80.4346, -18.1594, 2.8254

Details

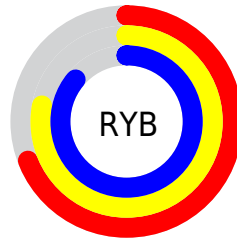
The Yxy color **64.6972, 0.2870, 0.3361** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.4780, 0.3461, 0.3221**, and the grayscale version is **61.3451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.2305, 0.2814, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **62.1971, 0.2752, 0.3402**, and if you desaturate by 10%, it is **67.6174, 0.2998, 0.3323**.

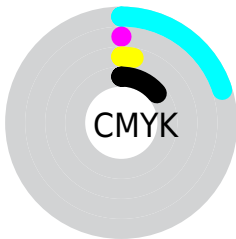
Distribution



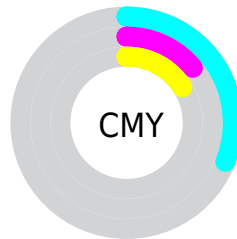
- Red (69%)
- Green (86%)
- Blue (84%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6972, 0.2870, 0.3361 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 64.6972, 0.2870, 0.3361 by changing the saturation by 10% instead.


 64.6972, 0.2870,
0.3361

 64.6972, 0.2870,
0.3361

441.7030, 0.2991,
0.3328

 47.2156, 0.2842,
0.3369

 111.6144, 0.2912,
0.3350

 33.2061, 0.2807,
0.3378


141.8188, 0.2929,
0.3345

 22.2844, 0.2762,
0.3390

177.0329, 0.2943,
0.3341

 14.0660, 0.2702,
0.3405

217.6411, 0.2955,
0.3338

 8.1666, 0.2620,
0.3426

264.0279, 0.2966,
0.3335

 4.2017, 0.2497,
0.3456

316.5775, 0.2975,

 1.7870, 0.2299,

0.3333

375.6744, 0.2984,
0.3330

0.3502

0.4791, 0.0706,
0.3975

0.0000, 0.0000,
0.0000

64.6972, 0.2870,
0.3361

64.6972, 0.2870,
0.3361

62.1971, 0.2752,
0.3402

67.6174, 0.2998,
0.3323

60.0893, 0.2645,
0.3446

70.9680, 0.3132,
0.3289

58.3551, 0.2554,
0.3491

74.7690, 0.3270,
0.3258

56.9711, 0.2480,
0.3539

77.3730, 0.3346,
0.3229

■ 55.9114, 0.2425,
0.3588

■ 77.5405, 0.3325,
0.3198

■ 55.1462, 0.2389,
0.3637

■ 77.7109, 0.3304,
0.3168

■ 54.6404, 0.2372,
0.3686

■ 77.8843, 0.3283,
0.3138

■ 54.3340, 0.2371,
0.3734

■ 78.0608, 0.3262,
0.3109

■ 54.3244, 0.2371,
0.3736

■ 78.2402, 0.3241,
0.3079

Harmonies

Analogous

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



64.6972, 0.3034, 0.3523



64.6972, 0.2870, 0.3361



64.6972, 0.2776, 0.3184

Triad

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



64.6972, 0.2870, 0.3361



64.6972, 0.3020, 0.2986



64.6972, 0.3495, 0.3525

Complementary

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



64.6972, 0.2870, 0.3361



49.4780, 0.3461, 0.3221

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.



64.6972, 0.3492, 0.3378



64.6972, 0.2870, 0.3361



64.6972, 0.3214, 0.3073

Square

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



64.6972, 0.2870, 0.3361



64.6972, 0.2860, 0.2974



64.6972, 0.3388, 0.3214



64.6972, 0.3396, 0.3615

Rectangle

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



64.6972, 0.2870, 0.3361



64.6972, 0.2763, 0.3084



64.6972, 0.3388, 0.3214



64.6972, 0.3506, 0.3481

Sweetspot

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



64.6999, 0.2870, 0.3361



97.0769, 0.3045, 0.3311



63.7978, 0.3148, 0.3821



20.7133, 0.3037, 0.3313



0.0000, 0.0000, 0.0000



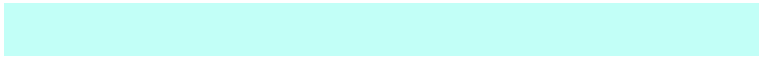
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6999, 0.2870, 0.3361



89.6481, 0.2815, 0.3379



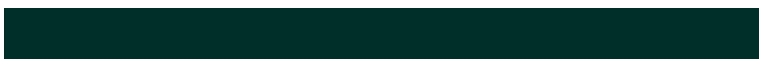
57.5025, 0.2823, 0.3106



14.7969, 0.3001, 0.3323



32.2218, 0.2369, 0.3729



2.0962, 0.2347, 0.3649

Inverse Universe

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



49.4780, 0.3461, 0.3221



64.0326, 0.3561, 0.3204



55.4727, 0.3481, 0.3467



13.0808, 0.3270, 0.3258



8.9961, 0.6209, 0.3194



0.5925, 0.5827, 0.2984

Previews

White Background



This preview shows how the Yxy color 64.6972, 0.2870, 0.3361 looks on a white background.

Color Contrast Check

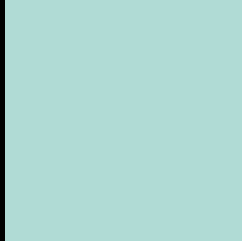
Large Text (above 18pt) WCAG AA × Fail

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 64.6972, 0.2870, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

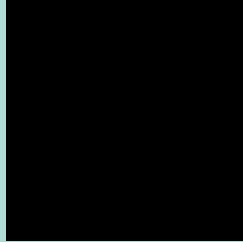
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

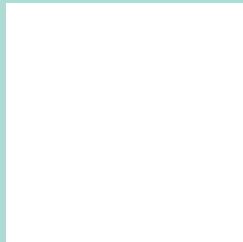
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6972, 0.2870, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 64.6972, 0.2870, 0.3361.

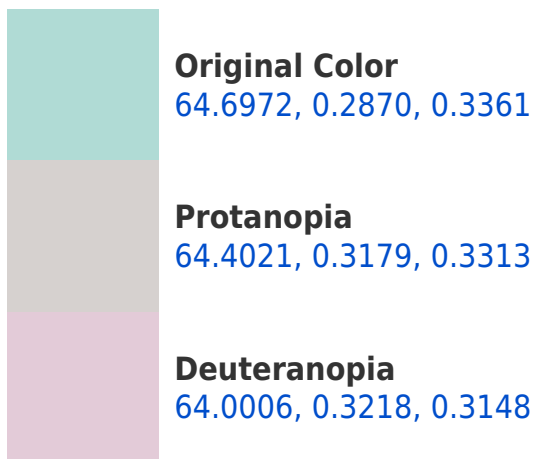


This preview shows how white text looks on a background with the Yxy color 64.6972, 0.2870, 0.3361.

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

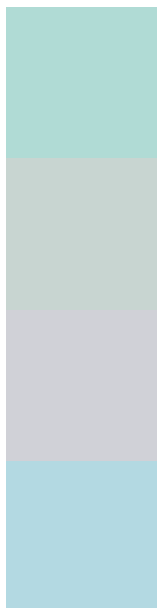




Tritanopia

64.6982, 0.2775, 0.3091

Trichromacy



Original Color

64.6972, 0.2870, 0.3361

Protanomaly

64.4713, 0.3059, 0.3336

Deuteranomaly

63.9171, 0.3079, 0.3222

Tritanomaly

64.7004, 0.2811, 0.3183

Monochromacy



Original Color

64.6972, 0.2870, 0.3361

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.1166, 0.3023, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6972, 0.2870, 0.3361 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(176, 219, 213)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 213)  
}
```

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(176, 219, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 213) }
```

Border

The CSS property to change the border of an element to Yxy 64.6972, 0.2870, 0.3361 is called "border". The border property can be set on classes, ids or directly on the HTML element.

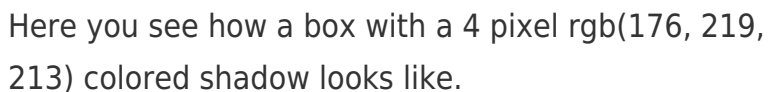
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 219, 213) }
```

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

```
.border{ border-color:rgb(176, 219, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 219, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 219, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 219, 213); box-shadow:4px 4px 4px 4px rgb(176, 219, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6972, 0.2870, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 213) }
```

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

```
.background{ background-color: rgb(176,  
219, 213) }
```

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