

Converting Colors

$Y_{xy}(61.3031, 0.2855, 0.3340)$

Have a look what the booklet for
Yxy(61.3031, 0.2855, 0.3340)
contains.

Yxy(61.4042, 0.2853, 0.3338)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.4042, 0.2853, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	ABD6D2
RGB	171, 214, 210
RGB Percent	67%, 84%, 82%
CMY	0.3292, 0.1608, 0.1764
CMYK	0.20, 0.00, 0.02, 0.16
HSL	174°, 34%, 75%
HSV	174°, 20%, 84%
XYZ	52.4824, 61.4042, 70.0685
YIQ	200.6870, -24.3440, -10.3600

Conversions

Conversions Part 2

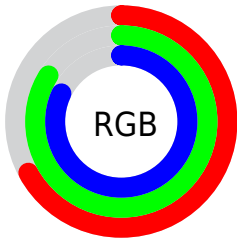
Format	Color
RYB	171, 194, 214
Decimal	11261650
CIELab	82.60, -14.78, -2.68
CIELCh	83, 15.022, 190.269
Yxy	61.4042, 0.2853, 0.3338
Android (android.graphics.Color)	4289451730 (0xFFABD6D2)
YUV	200.6870, 4.5913, -26.0355
Hunter-Lab	78.3608, -17.5806, 1.8368

Details

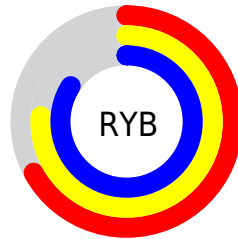
The Yxy color **61.4042, 0.2853, 0.3338** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5339, 0.3487, 0.3243**, and the grayscale version is **58.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **31.0481, 0.2782, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **59.0960, 0.2730, 0.3365**, and if you desaturate by 10%, it is **64.1077, 0.2986, 0.3313**.

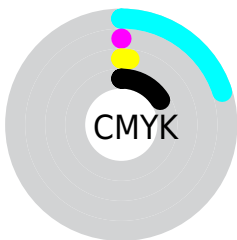
Distribution



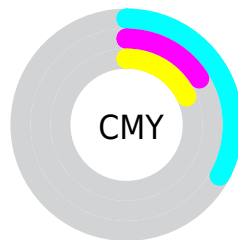
- Red (67%)
- Green (84%)
- Blue (82%)



- Red (67%)
- Yellow (76%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)




- Cyan (33%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4042, 0.2853, 0.3338 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 61.4042, 0.2853, 0.3338 by changing the saturation by 10% instead.


 61.4042, 0.2853,
0.3338

 61.4042, 0.2853,
0.3338

429.7545, 0.2983,
0.3316

 44.5515, 0.2822,
0.3343


 106.8640, 0.2899,
0.3330

 31.1043, 0.2784,
0.3349


136.2398, 0.2916,
0.3328

 20.6783, 0.2735,
0.3356


170.5587, 0.2932,
0.3325

 12.8890, 0.2670,
0.3366

210.2052, 0.2945,
0.3323

 7.3522, 0.2578,
0.3379

255.5637, 0.2956,
0.3321

 3.6833, 0.2442,
0.3396

307.0184, 0.2966,

 1.4980, 0.2216,

0.3319

364.9539, 0.2975,
0.3318

0.3420

0.2873, 0.0000,
0.3649

0.0000, 0.0000,
0.0000

61.4042, 0.2853,
0.3338

61.4042, 0.2853,
0.3338

59.0960, 0.2730,
0.3365

64.1077, 0.2986,
0.3313

57.1569, 0.2620,
0.3394

67.2164, 0.3126,
0.3290

55.5692, 0.2526,
0.3424

70.7492, 0.3271,
0.3270

54.3106, 0.2449,
0.3455

74.4088, 0.3405,
0.3251

■ 53.3566, 0.2392,
0.3487

■ 74.5131, 0.3390,
0.3231

■ 52.6789, 0.2353,
0.3518

■ 74.6187, 0.3376,
0.3211

■ 52.2441, 0.2333,
0.3550

■ 74.7255, 0.3362,
0.3191

■ 51.9928, 0.2328,
0.3581

■ 74.8336, 0.3348,
0.3171

■ 74.9430, 0.3334,
0.3152

Harmonies

Analogous

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



61.4042, 0.3010, 0.3505



61.4042, 0.2853, 0.3338



61.4042, 0.2769, 0.3163

Triad

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



61.4042, 0.2853, 0.3338



61.4042, 0.3044, 0.2993



61.4042, 0.3488, 0.3541

Complementary

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



61.4042, 0.2853, 0.3338



46.5339, 0.3487, 0.3243

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.



61.4042, 0.3499, 0.3399



61.4042, 0.2853, 0.3338



61.4042, 0.3238, 0.3089

Square

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



61.4042, 0.2853, 0.3338



61.4042, 0.2877, 0.2970



61.4042, 0.3407, 0.3235



61.4042, 0.3377, 0.3621

Rectangle

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



61.4042, 0.2853, 0.3338



61.4042, 0.2764, 0.3067



61.4042, 0.3407, 0.3235



61.4042, 0.3503, 0.3499

Sweetspot

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



61.4067, 0.2853, 0.3338



97.1219, 0.3041, 0.3304



60.1851, 0.3133, 0.3835



20.7240, 0.3032, 0.3305



0.0000, 0.0000, 0.0000



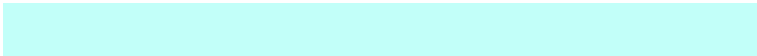
21.4041, 0.3127, 0.3290

Same Dimension

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



61.4067, 0.2853, 0.3338



89.8232, 0.2800, 0.3349



53.3658, 0.2815, 0.3075



14.0871, 0.2995, 0.3311



31.4367, 0.2327, 0.3576



1.9020, 0.2312, 0.3522

Inverse Universe

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



46.5339, 0.3487, 0.3243



63.8999, 0.3584, 0.3233



53.2995, 0.3484, 0.3496



12.4393, 0.3277, 0.3269



8.6780, 0.6288, 0.3238



0.5300, 0.5985, 0.3070

Previews

White Background



This preview shows how the Yxy color 61.4042, 0.2853, 0.3338 looks on a white background.

Color Contrast Check

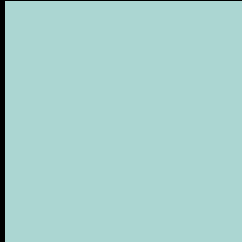
Large Text (above 18pt) WCAG AA × Fail

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 61.4042, 0.2853, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

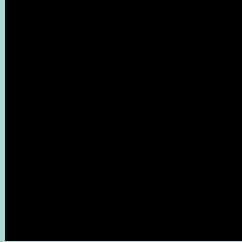
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

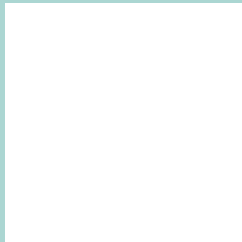
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.4042, 0.2853, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 61.4042, 0.2853, 0.3338.

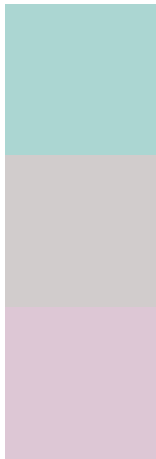


This preview shows how white text looks on a background with the Yxy color 61.4042, 0.2853, 0.3338.

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

61.4042, 0.2853, 0.3338

Protanopia

61.1007, 0.3166, 0.3290

Deuteranopia

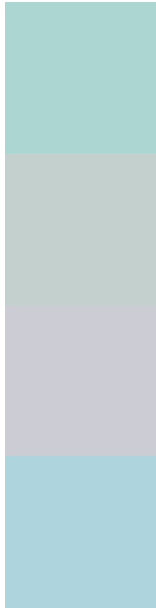
61.0231, 0.3197, 0.3134



Tritanopia

61.3039, 0.2768, 0.3087

Trichromacy



Original Color

61.4042, 0.2853, 0.3338

Protanomaly

61.1701, 0.3044, 0.3313

Deuteranomaly

60.6357, 0.3063, 0.3197

Tritanomaly

61.3061, 0.2804, 0.3181

Monochromacy



Original Color

61.4042, 0.2853, 0.3338

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.4494, 0.3021, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4042, 0.2853, 0.3338 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(171, 214, 210)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 210)  
}
```

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(171, 214, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 210) }
```

Border

The CSS property to change the border of an element to Yxy 61.4042, 0.2853, 0.3338 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(171, 214, 210) }
```

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

```
.border{ border-color:rgb(171, 214, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 214, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 210);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4042, 0.2853, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 210) }
```

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

```
.background{ background-color: rgb(171,  
214, 210) }
```

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