

Converting Colors

$Yxy(63.9745, 0.2755, 0.3346)$

Have a look what the booklet for
Yxy(63.9745, 0.2755, 0.3346)
contains.

| | |
|--|----|
| Yxy(64.1444, 0.2755, 0.3350) | 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(64.1444, 0.2755, 0.3350)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A0DDD8 |
| RGB | 160, 221, 216 |
| RGB Percent | 63%, 87%, 85% |
| CMY | 0.3725, 0.1333, 0.1529 |
| CMYK | 0.28, 0.00, 0.02, 0.13 |
| HSL | 175°, 47%, 75% |
| HSV | 175°, 28%, 87% |
| XYZ | 52.7516, 64.1444, 74.5798 |
| YIQ | 202.1910, -34.7510, -14.4870 |

Conversions

Conversions Part 2

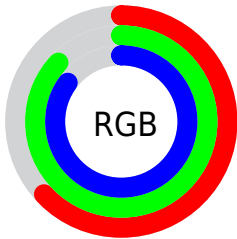
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 160, 192, 221 |
| Decimal | 10542552 |
| CIELab | 84.04, -20.31, -3.81 |
| CIELCh | 84, 20.666, 190.638 |
| Yxy | 64.1444, 0.2755, 0.3350 |
| Android (android.graphics.Color) | 4288732632 (0xFFA0DDD8) |
| YUV | 202.1910, 6.8078, -37.0015 |
| Hunter-Lab | 80.0902, -22.5884, 0.8524 |

Details

The Yxy color **64.1444, 0.2755, 0.3350** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2339, 0.3677, 0.3232**, and the grayscale version is **59.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **32.9098, 0.2665, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **61.9751, 0.2640, 0.3375**, and if you desaturate by 10%, it is **66.7248, 0.2882, 0.3327**.

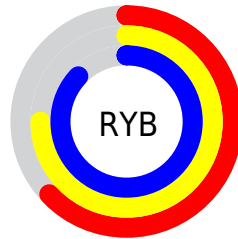
Distribution



Red (63%)

Green (87%)

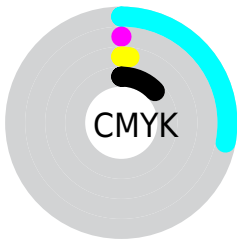
Blue (85%)



Red (63%)

Yellow (75%)

Blue (87%)

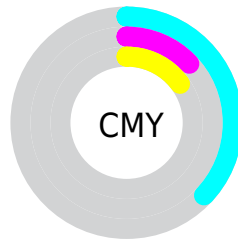


Cyan (28%)

Magenta (0%)

Yellow (2%)

Black (13%)



Cyan (37%)


Magenta (13%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1444, 0.2755, 0.3350 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 64.1444, 0.2755, 0.3350 by changing the saturation by 10% instead.


 64.1444, 0.2755,
0.3350

 64.1444, 0.2755,
0.3350


439.7109, 0.2930,
0.3324

 46.7676, 0.2714,
0.3356

 110.8189, 0.2816,
0.3341

 32.8520, 0.2664,
0.3363


 140.8854, 0.2840,
0.3338

 22.0131, 0.2600,
0.3371


175.9506, 0.2860,
0.3334

 13.8665, 0.2515,
0.3381

216.3989, 0.2878,
0.3332

 8.0279, 0.2398,
0.3394

262.6147, 0.2893,
0.3329

 4.1128, 0.2226,
0.3410

314.9823, 0.2907,

 1.7369, 0.1953,

0.3327

373.8863, 0.2919,
0.3325

0.3428

0.4474, 0.0000,
0.3724

0.0000, 0.0000,
0.0000

64.1444, 0.2755,
0.3350

64.1444, 0.2755,
0.3350

61.9751, 0.2640,
0.3375

66.7248, 0.2882,
0.3327

60.1877, 0.2541,
0.3401


69.7283, 0.3019,
0.3305


58.7613, 0.2459,
0.3428

73.1761, 0.3162,
0.3285


57.6698, 0.2396,
0.3456


77.0856, 0.3309,
0.3268


 56.8840, 0.2352,
0.3484


 78.4119, 0.3345,
0.3250

 56.3692, 0.2328,
0.3512

 78.5110, 0.3332,
0.3232

 56.0780, 0.2319,
0.3539

 78.6111, 0.3320,
0.3214

 56.0231, 0.2318,
0.3546

 78.7122, 0.3307,
0.3196

 78.8144, 0.3295,
0.3179

Harmonies

Analogous

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



64.1444, 0.2964, 0.3582



64.1444, 0.2755, 0.3350



64.1444, 0.2646, 0.3111

Triad

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



64.1444, 0.2755, 0.3350



64.1444, 0.3016, 0.2894



64.1444, 0.3615, 0.3628

Complementary

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



64.1444, 0.2755, 0.3350



43.2339, 0.3677, 0.3232

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.



64.1444, 0.3634, 0.3435



64.1444, 0.2755, 0.3350



64.1444, 0.3280, 0.3022

Square

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



64.1444, 0.2755, 0.3350



64.1444, 0.2791, 0.2860



64.1444, 0.3509, 0.3216



64.1444, 0.3462, 0.3741

Rectangle

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



64.1444, 0.2755, 0.3350



64.1444, 0.2640, 0.2983



64.1444, 0.3509, 0.3216



64.1444, 0.3638, 0.3570

Sweetspot

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



64.1470, 0.2755, 0.3350



96.2273, 0.3012, 0.3306



62.2611, 0.3125, 0.4076



20.4544, 0.2991, 0.3309



0.0000, 0.0000, 0.0000



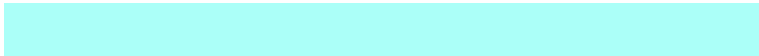
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1470, 0.2755, 0.3350



86.9464, 0.2688, 0.3364



51.9896, 0.2695, 0.2968



14.8103, 0.2993, 0.3309



32.5524, 0.2317, 0.3541



2.1144, 0.2305, 0.3496

Inverse Universe

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



43.2339, 0.3677, 0.3232



53.5323, 0.3836, 0.3220



52.7860, 0.3646, 0.3591



13.0687, 0.3279, 0.3271



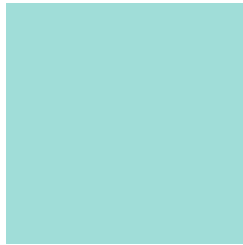
8.9620, 0.6306, 0.3247



0.5867, 0.6046, 0.3104

Previews

White Background



This preview shows how the Yxy color 64.1444, 0.2755, 0.3350 looks on a white background.

Color Contrast Check

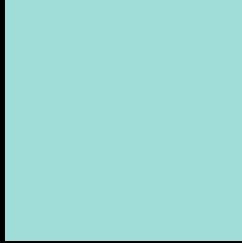
Large Text (above 18pt) WCAG AA × Fail

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 64.1444, 0.2755, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

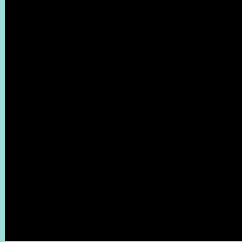
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

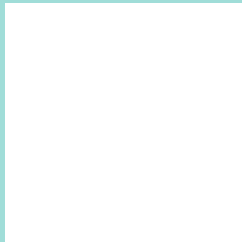
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1444, 0.2755, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 64.1444, 0.2755, 0.3350.

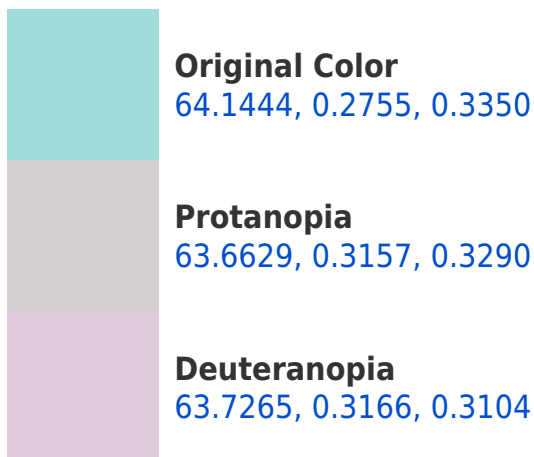


This preview shows how white text looks on a background with the Yxy color 64.1444, 0.2755, 0.3350.

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

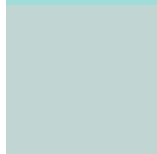
64.0914, 0.2664, 0.3075

Trichromacy



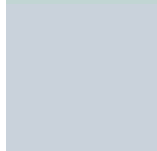
Original Color

64.1444, 0.2755, 0.3350



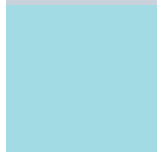
Protanomaly

63.6291, 0.2996, 0.3313



Deuteranomaly

63.6252, 0.3001, 0.3186



Tritanomaly

64.1067, 0.2698, 0.3169

Monochromacy



Original Color

64.1444, 0.2755, 0.3350



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.6707, 0.2980, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1444, 0.2755, 0.3350 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(160, 221, 216)` looks like.

```
.text, #text, p{  
    color:rgb(160, 221, 216)  
}
```

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(160, 221, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 221, 216) }
```

Border

The CSS property to change the border of an element to Yxy 64.1444, 0.2755, 0.3350 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(160, 221, 216) }
```

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

```
.border{ border-color:rgb(160, 221, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 221, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 221, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 221, 216);  
box-shadow:4px 4px 4px 4px rgb(160, 221,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1444, 0.2755, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 221, 216) }
```

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

```
.background{ background-color: rgb(160,  
221, 216) }
```

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