

Converting Colors

$Yxy(64.6036, 0.2796, 0.3426)$

Have a look what the booklet for
Yxy(64.6036, 0.2796, 0.3426)
contains.

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Color

Yxy(64.6271, 0.2797, 0.3424)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A2DED3 |
| RGB | 162, 222, 211 |
| RGB Percent | 64%, 87%, 83% |
| CMY | 0.3644, 0.1295, 0.1725 |
| CMYK | 0.27, 0.00, 0.05, 0.13 |
| HSL | 169°, 48%, 75% |
| HSV | 169°, 27%, 87% |
| XYZ | 52.7926, 64.6271, 71.3276 |
| YIQ | 202.8060, -32.2290, -16.1410 |

Conversions

Conversions Part 2

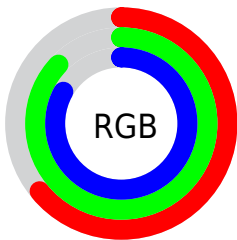
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 162, 195, 222 |
| Decimal | 10673875 |
| CIE Lab | 84.29, -21.28, -0.78 |
| CIE LCh | 84, 21.298, 182.106 |
| Yxy | 64.6271, 0.2797, 0.3424 |
| Android (android.graphics.Color) | 4288863955 (0xFFA2DED3) |
| YUV | 202.8060, 4.0396, -35.7869 |
| Hunter-Lab | 80.3910, -23.4635, 3.6681 |

Details

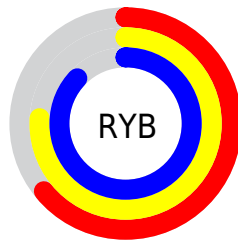
The Yxy color **64.6271, 0.2797, 0.3424** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4165, 0.3602, 0.3162**, and the grayscale version is **59.5939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **33.2599, 0.2709, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **62.3036, 0.2692, 0.3481**, and if you desaturate by 10%, it is **67.3714, 0.2913, 0.3371**.

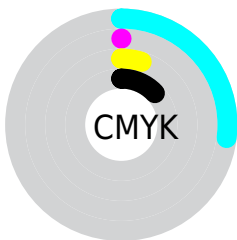
Distribution



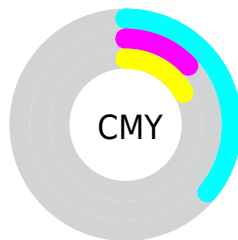
- Red (64%)
- Green (87%)
- Blue (83%)



- Red (64%)
- Yellow (76%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (36%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6271, 0.2797, 0.3424 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 64.6271, 0.2797, 0.3424 by changing the saturation by 10% instead.


 64.6271, 0.2797,
0.3424

 64.6271, 0.2797,
0.3424


441.4507, 0.2953,
0.3361

 47.1588, 0.2761,
0.3439


 111.5136, 0.2852,
0.3402

 33.1612, 0.2716,
0.3457


 141.7005, 0.2873,
0.3394

 22.2500, 0.2658,
0.3480


176.8958, 0.2891,
0.3386

 14.0407, 0.2582,
0.3510

217.4837, 0.2906,
0.3380

 8.1490, 0.2476,
0.3552

263.8488, 0.2920,
0.3374

 4.1904, 0.2320,
0.3613

316.3754, 0.2932,

 1.7806, 0.2067,

0.3370

375.4479, 0.2943,
0.3365

0.3709

0.4751, 0.0000,
0.4537

0.0000, 0.0000,
0.0000

64.6271, 0.2797,
0.3424

64.6271, 0.2797,
0.3424

62.3036, 0.2692,
0.3481

67.3714, 0.2913,
0.3371

60.3715, 0.2600,
0.3542

70.5487, 0.3037,
0.3322

58.8098, 0.2525,
0.3606

74.1803, 0.3166,
0.3277

57.5923, 0.2468,
0.3672

78.2838, 0.3298,
0.3237

■ 56.6896, 0.2430,
0.3738

■ 79.2851, 0.3300,
0.3197

■ 56.0669, 0.2412,
0.3805

■ 79.5180, 0.3272,
0.3157

■ 55.6792, 0.2412,
0.3871

■ 79.7563, 0.3245,
0.3118

■ 55.5854, 0.2414,
0.3890

■ 80.0000, 0.3218,
0.3078

■ 80.2492, 0.3191,
0.3039

Harmonies

Analogous

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



64.6271, 0.3032, 0.3646



64.6271, 0.2797, 0.3424



64.6271, 0.2652, 0.3171

Triad

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



64.6271, 0.2797, 0.3424



64.6271, 0.2940, 0.2862



64.6271, 0.3650, 0.3586

Complementary

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



64.6271, 0.2797, 0.3424



44.4165, 0.3602, 0.3162

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.



64.6271, 0.3626, 0.3375



64.6271, 0.2797, 0.3424



64.6271, 0.3207, 0.2969

Square

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



64.6271, 0.2797, 0.3424



64.6271, 0.2732, 0.2859



64.6271, 0.3461, 0.3153



64.6271, 0.3528, 0.3732

Rectangle

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



64.6271, 0.2797, 0.3424



64.6271, 0.2623, 0.3026



64.6271, 0.3461, 0.3153



64.6271, 0.3659, 0.3520

Sweetspot

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



64.6297, 0.2797, 0.3424



96.0958, 0.3024, 0.3327



63.7391, 0.3167, 0.4046



20.4210, 0.3005, 0.3334



0.0000, 0.0000, 0.0000



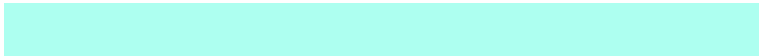
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6297, 0.2797, 0.3424



86.7443, 0.2740, 0.3454



55.6834, 0.2712, 0.3053



15.5270, 0.3006, 0.3333



33.0361, 0.2411, 0.3881



2.3012, 0.2383, 0.3779

Inverse Universe

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



44.4165, 0.3602, 0.3162



54.9467, 0.3730, 0.3135



51.2081, 0.3650, 0.3515



13.7413, 0.3263, 0.3247



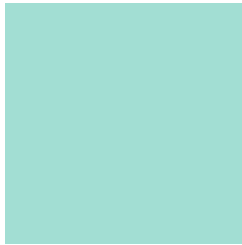
9.3298, 0.6111, 0.3140



0.6588, 0.5698, 0.2913

Previews

White Background



This preview shows how the Yxy color 64.6271, 0.2797, 0.3424 looks on a white background.

Color Contrast Check

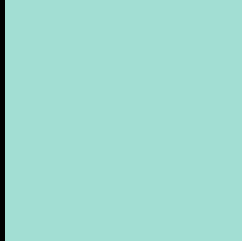
Large Text (above 18pt) WCAG AA × Fail

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 64.6271, 0.2797, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

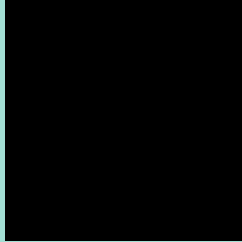
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

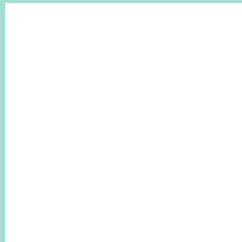
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6271, 0.2797, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 64.6271, 0.2797, 0.3424.

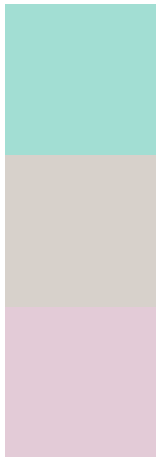


This preview shows how white text looks on a background with the Yxy color 64.6271, 0.2797, 0.3424.

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

64.6271, 0.2797, 0.3424

Protanopia

64.3598, 0.3215, 0.3358

Deuteranopia

63.9491, 0.3226, 0.3159



Tritanopia

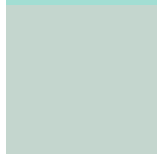
64.4144, 0.2681, 0.3076

Trichromacy



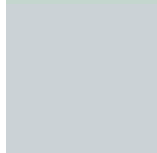
Original Color

64.6271, 0.2797, 0.3424



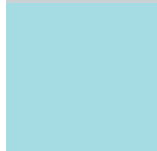
Protanomaly

64.2851, 0.3050, 0.3384



Deuteranomaly

63.6447, 0.3048, 0.3244



Tritanomaly

64.2084, 0.2721, 0.3193

Monochromacy



Original Color

64.6271, 0.2797, 0.3424



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.2408, 0.2993, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6271, 0.2797, 0.3424 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(162, 222, 211)` looks like.

```
.text, #text, p{  
    color:rgb(162, 222, 211)  
}
```

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(162, 222, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 222, 211) }
```

Border

The CSS property to change the border of an element to Yxy 64.6271, 0.2797, 0.3424 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(162, 222, 211) }
```

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

```
.border{ border-color:rgb(162, 222, 211) }
```

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

Here you see how a box with a 4 pixel rgb(162, 222, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 222, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 222, 211);  
box-shadow:4px 4px 4px 4px rgb(162, 222,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6271, 0.2797, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 222, 211) }
```

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

```
.background{ background-color: rgb(162,  
222, 211) }
```

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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