

Converting Colors

$Yxy(64.7608, 0.2860, 0.3526)$

Have a look what the booklet for
Yxy(64.7608, 0.2860, 0.3526)
contains.

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Color

Yxy(64.5537, 0.2862, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	A5DECB
RGB	165, 222, 203
RGB Percent	65%, 87%, 80%
CMY	0.3527, 0.1294, 0.2039
CMYK	0.26, 0.00, 0.09, 0.13
HSL	160°, 46%, 76%
HSV	160°, 26%, 87%
XYZ	52.4270, 64.5537, 66.2023
YIQ	202.7910, -27.8730, -17.9930

Conversions

Conversions Part 2

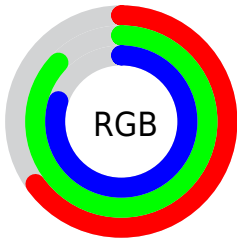
Format	Color
R _Y B	165, 199, 222
Decimal	10870475
CIE Lab	84.25, -22.07, 3.42
CIE LCh	84, 22.334, 171.201
Yxy	64.5537, 0.2862, 0.3524
Android (android.graphics.Color)	4289060555 (0xFFA5DECB)
YUV	202.7910, 0.1030, -33.1427
Hunter-Lab	80.3453, -24.1294, 7.3884

Details

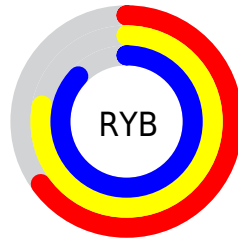
The Yxy color **64.5537, 0.2862, 0.3524** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9212, 0.3491, 0.3069**, and the grayscale version is **59.6038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **33.2521, 0.2798, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **62.0333, 0.2771, 0.3631**, and if you desaturate by 10%, it is **67.5094, 0.2961, 0.3426**.

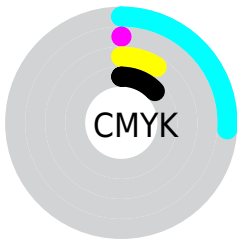
Distribution



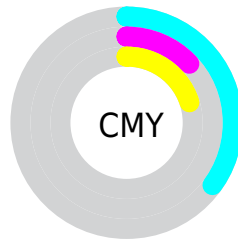
- Red (65%)
- Green (87%)
- Blue (80%)



- Red (65%)
- Yellow (78%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)





- Cyan (35%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5537, 0.2862, 0.3524 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 64.5537, 0.2862, 0.3524 by changing the saturation by 10% instead.


 64.5537, 0.2862,
0.3524

 64.5537, 0.2862,
0.3524


441.1864, 0.2988,
0.3412

 47.0993, 0.2832,
0.3551


 111.4080, 0.2906,
0.3484

 33.1141, 0.2795,
0.3584


 141.5766, 0.2923,
0.3469

 22.2139, 0.2748,
0.3628


176.7521, 0.2938,
0.3456

 14.0142, 0.2684,
0.3686

217.3189, 0.2951,
0.3445

 8.1305, 0.2595,
0.3768

263.6613, 0.2962,
0.3435

 4.1786, 0.2461,
0.3894


316.1638, 0.2972,

 1.7739, 0.2239,


0.3426


0.4109


375.2107, 0.2980,
0.3419

 0.4709, 0.0000,
0.6323


 0.0000, 0.0000,
0.0000


 64.5537, 0.2862,
0.3524


 64.5537, 0.2862,
0.3524

 62.0333, 0.2771,
0.3631


 67.5094, 0.2961,
0.3426


 59.9188, 0.2692,
0.3746


 70.9126, 0.3066,
0.3336


 58.1892, 0.2627,
0.3867


 74.7846, 0.3174,
0.3256


 56.8187, 0.2579,
0.3993

 79.1430, 0.3283,
0.3185


 55.7780, 0.2551,
0.4122

 79.7909, 0.3241,
0.3113


 55.0330, 0.2544,
0.4250

 80.2399, 0.3192,
0.3041

 54.5420, 0.2556,
0.4377

 80.7070, 0.3143,
0.2971

 54.3763, 0.2565,
0.4432

 80.7187, 0.3142,
0.2970

Harmonies

Analogous

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



64.5537, 0.3129, 0.3724



64.5537, 0.2862, 0.3524



64.5537, 0.2671, 0.3259

Triad

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



64.5537, 0.2862, 0.3524



64.5537, 0.2841, 0.2828



64.5537, 0.3685, 0.3524

Complementary

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



64.5537, 0.2862, 0.3524



45.9212, 0.3491, 0.3069

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.



64.5537, 0.3603, 0.3292



64.5537, 0.2862, 0.3524



64.5537, 0.3106, 0.2903

Square

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



64.5537, 0.2862, 0.3524



64.5537, 0.2660, 0.2866



64.5537, 0.3387, 0.3069



64.5537, 0.3610, 0.3709

Rectangle

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



64.5537, 0.2862, 0.3524



64.5537, 0.2608, 0.3091



64.5537, 0.3387, 0.3069



64.5537, 0.3675, 0.3449

Sweetspot

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



64.5564, 0.2862, 0.3524



95.9038, 0.3041, 0.3357



65.2697, 0.3234, 0.3989



20.3724, 0.3025, 0.3370



0.0000, 0.0000, 0.0000



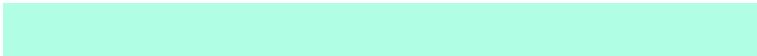
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5564, 0.2862, 0.3524



86.3816, 0.2810, 0.3583



61.0952, 0.2743, 0.3185



15.4906, 0.3026, 0.3369



32.3222, 0.2559, 0.4413



2.2568, 0.2505, 0.4219

Inverse Universe

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



45.9212, 0.3491, 0.3069



56.5698, 0.3598, 0.3018



48.3635, 0.3646, 0.3393



13.7755, 0.3240, 0.3212



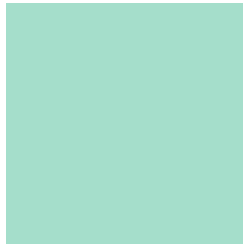
9.5365, 0.5632, 0.2876



0.6772, 0.5197, 0.2636

Previews

White Background



This preview shows how the Yxy color 64.5537, 0.2862, 0.3524 looks on a white background.

Color Contrast Check

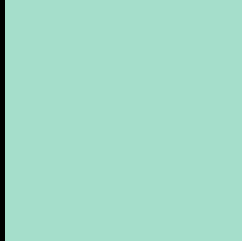
Large Text (above 18pt) WCAG AA × Fail

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 64.5537, 0.2862, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

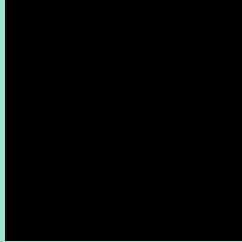
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

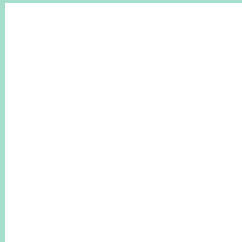
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5537, 0.2862, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 64.5537, 0.2862, 0.3524.

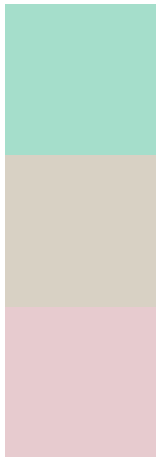


This preview shows how white text looks on a background with the Yxy color 64.5537, 0.2862, 0.3524.

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**

64.5537, 0.2862, 0.3524

Protanopia

64.1854, 0.3272, 0.3439

Deuteranopia

64.2058, 0.3316, 0.3247



Tritanopia

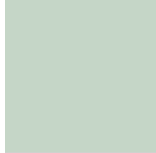
64.2818, 0.2709, 0.3077

Trichromacy



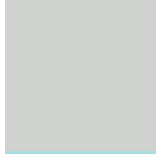
Original Color

64.5537, 0.2862, 0.3524



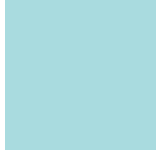
Protanomaly

64.0870, 0.3104, 0.3467



Deuteranomaly

63.8148, 0.3132, 0.3336



Tritanomaly

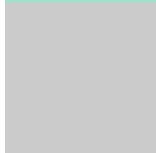
64.4258, 0.2767, 0.3241

Monochromacy



Original Color

64.5537, 0.2862, 0.3524



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.2238, 0.3021, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5537, 0.2862, 0.3524 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(165, 222, 203)` looks like.

```
.text, #text, p{  
    color:rgb(165, 222, 203)  
}
```

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(165, 222, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 222, 203) }
```

Border

The CSS property to change the border of an element to Yxy 64.5537, 0.2862, 0.3524 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(165, 222, 203) }
```

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

```
.border{ border-color:rgb(165, 222, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 222, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 222, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 222, 203); box-shadow:4px 4px 4px 4px rgb(165, 222, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5537, 0.2862, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 222, 203) }
```

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

```
.background{ background-color: rgb(165,  
222, 203) }
```

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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