

Converting Colors

$Yxy(64.5640, 0.2953, 0.3571)$

Have a look what the booklet for
Yxy(64.5640, 0.2953, 0.3571)
contains.

| | |
|--|----|
| Yxy(64.7888, 0.2949, 0.3571) | 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(64.7888, 0.2949, 0.3571)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | AEDDC6 |
| RGB | 174, 221, 198 |
| RGB Percent | 68%, 87%, 78% |
| CMY | 0.3178, 0.1333, 0.2234 |
| CMYK | 0.21, 0.00, 0.10, 0.13 |
| HSL | 151°, 41%, 77% |
| HSV | 151°, 21%, 87% |
| XYZ | 53.5038, 64.7888, 63.1378 |
| YIQ | 204.3250, -20.6290, -17.1170 |

Conversions

Conversions Part 2

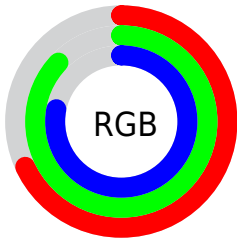
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 174, 205, 221 |
| Decimal | 11460038 |
| CIELab | 84.37, -19.81, 6.28 |
| CIElCh | 84, 20.779, 162.404 |
| Yxy | 64.7888, 0.2949, 0.3571 |
| Android (android.graphics.Color) | 4289650118 (0xFFAEDDC6) |
| YUV | 204.3250, -3.1182, -26.5950 |
| Hunter-Lab | 80.4915, -22.2086, 9.8368 |

Details

The Yxy color **64.7888, 0.2949, 0.3571** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6621, 0.3352, 0.3025**, and the grayscale version is **60.6293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **33.3510, 0.2908, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **61.9786, 0.2872, 0.3726**, and if you desaturate by 10%, it is **68.0575, 0.3031, 0.3431**.

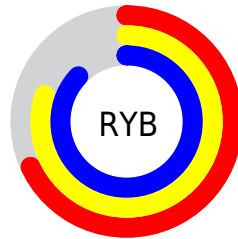
Distribution



Red (68%)

Green (87%)

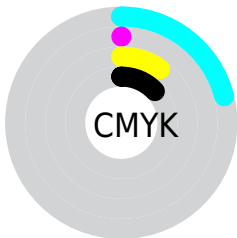
Blue (78%)



Red (68%)

Yellow (80%)

Blue (87%)

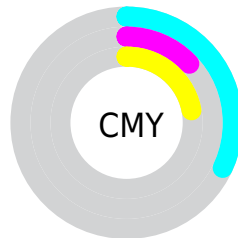


Cyan (21%)

Magenta (0%)

Yellow (10%)

Black (13%)



Cyan (32%)


Magenta (13%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7888, 0.2949, 0.3571 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 64.7888, 0.2949, 0.3571 by changing the saturation by 10% instead.


 64.7888, 0.2949,
0.3571

 64.7888, 0.2949,
0.3571


442.0326, 0.3035,
0.3435

 47.2898, 0.2929,
0.3603


 111.7462, 0.2979,
0.3523

 33.2648, 0.2903,
0.3644


141.9734, 0.2991,
0.3504

 22.3294, 0.2870,
0.3698


177.2121, 0.3001,
0.3489

 14.0991, 0.2825,
0.3769

217.8468, 0.3009,
0.3475

 8.1897, 0.2762,
0.3872

264.2617, 0.3017,
0.3463

 4.2165, 0.2666,
0.4030

316.8415, 0.3023,

 1.7954, 0.2501,

0.3453

0.4304

375.9703, 0.3029,
0.3444

0.4843, 0.0000,
0.8460

0.0000, 0.0000,
0.0000

64.7888, 0.2949,
0.3571

64.7888, 0.2949,
0.3571

61.9786, 0.2872,
0.3726

68.0575, 0.3031,
0.3431

59.5976, 0.2803,
0.3894


71.7962, 0.3116,
0.3305

57.6257, 0.2746,
0.4073


76.0263, 0.3202,
0.3193


56.0377, 0.2704,
0.4261


79.3399, 0.3234,
0.3091


 54.8058, 0.2680,
0.4454

 80.0046, 0.3162,
0.2988

 53.8980, 0.2676,
0.4646

 80.1970, 0.3143,
0.2960

 53.2762, 0.2692,
0.4832

 52.9118, 0.2719,
0.4987

Harmonies

Analogous

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



64.7888, 0.3207, 0.3724



64.7888, 0.2949, 0.3571



64.7888, 0.2745, 0.3335

Triad

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



64.7888, 0.2949, 0.3571



64.7888, 0.2802, 0.2858



64.7888, 0.3638, 0.3448

Complementary

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



64.7888, 0.2949, 0.3571



49.6621, 0.3352, 0.3025

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.



64.7888, 0.3521, 0.3229



64.7888, 0.2949, 0.3571



64.7888, 0.3031, 0.2898

Square

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



64.7888, 0.2949, 0.3571



64.7888, 0.2662, 0.2927



64.7888, 0.3295, 0.3031



64.7888, 0.3611, 0.3638

Rectangle

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



64.7888, 0.2949, 0.3571



64.7888, 0.2663, 0.3172



64.7888, 0.3295, 0.3031



64.7888, 0.3614, 0.3375

Sweetspot

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



64.7915, 0.2949, 0.3571



96.7410, 0.3075, 0.3363



66.7082, 0.3269, 0.3850



20.6338, 0.3070, 0.3372



0.0000, 0.0000, 0.0000



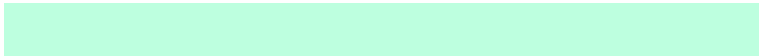
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7915, 0.2949, 0.3571



87.6085, 0.2910, 0.3645



65.9331, 0.2812, 0.3289



14.7169, 0.3047, 0.3406



30.7579, 0.2711, 0.4960



2.0100, 0.2630, 0.4666

Inverse Universe

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



49.6621, 0.3352, 0.3025



62.7502, 0.3418, 0.2961



48.6888, 0.3555, 0.3291



13.1569, 0.3216, 0.3176



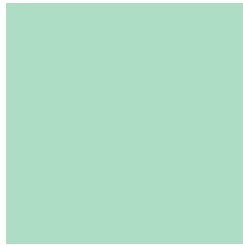
9.5802, 0.4999, 0.2528



0.6380, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 64.7888, 0.2949, 0.3571 looks on a white background.

Color Contrast Check

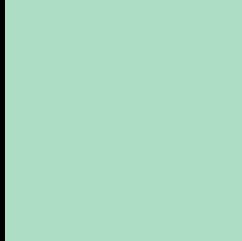
Large Text (above 18pt) WCAG AA × Fail

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 64.7888, 0.2949, 0.3571 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

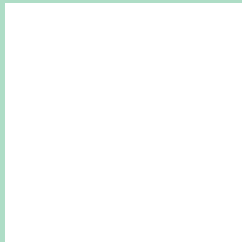
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7888, 0.2949, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 64.7888, 0.2949, 0.3571.



This preview shows how white text looks on a background with the Yxy color 64.7888, 0.2949, 0.3571.

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

64.7888, 0.2949, 0.3571

Protanopia

64.3121, 0.3317, 0.3484

Deuteranopia

64.2998, 0.3369, 0.3302



Tritanopia

64.8187, 0.2782, 0.3092

Trichromacy



Original Color

64.7888, 0.2949, 0.3571

Protanomaly

64.0401, 0.3176, 0.3513

Deuteranomaly

64.3073, 0.3205, 0.3393

Tritanomaly

64.7751, 0.2841, 0.3265

Monochromacy



Original Color

64.7888, 0.2949, 0.3571

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.6949, 0.3056, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7888, 0.2949, 0.3571 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(174, 221, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 221, 198)  
}
```

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(174, 221, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 221, 198) }
```

Border

The CSS property to change the border of an element to Yxy 64.7888, 0.2949, 0.3571 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(174, 221, 198) }
```

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

```
.border{ border-color:rgb(174, 221, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 221, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 221, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 221, 198); box-shadow:4px 4px 4px 4px rgb(174, 221, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7888, 0.2949, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 221, 198) }
```

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

```
.background{ background-color: rgb(174,  
221, 198) }
```

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