

Converting Colors

$Yxy(64.2880, 0.2868, 0.3499)$

Have a look what the booklet for
Yxy(64.2880, 0.2868, 0.3499)
contains.

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Color

Yxy(64.2880, 0.2868, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	A7DDCC
RGB	167, 221, 204
RGB Percent	65%, 87%, 80%
CMY	0.3450, 0.1333, 0.2000
CMYK	0.24, 0.00, 0.08, 0.13
HSL	161°, 44%, 76%
HSV	161°, 24%, 87%
XYZ	52.6945, 64.2880, 66.7500
YIQ	202.9160, -26.7270, -16.7350

Conversions

Conversions Part 2

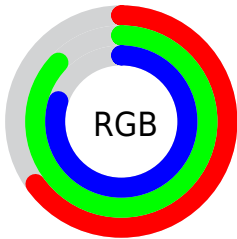
Format	Color
RYB	167, 199, 221
Decimal	11001292
CIELab	84.12, -20.78, 2.71
CIElCh	84, 20.957, 172.563
Yxy	64.2880, 0.2868, 0.3499
Android (android.graphics.Color)	4289191372 (0xFFA7DDCC)
YUV	202.9160, 0.5344, -31.4983
Hunter-Lab	80.1798, -23.0037, 6.7667

Details

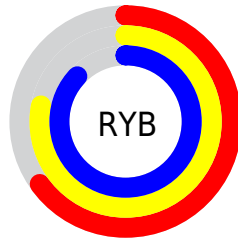
The Yxy color **64.2880, 0.2868, 0.3499** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4818, 0.3478, 0.3091**, and the grayscale version is **59.6786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **33.0519, 0.2805, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **61.7585, 0.2774, 0.3599**, and if you desaturate by 10%, it is **67.2491, 0.2970, 0.3407**.

Distribution



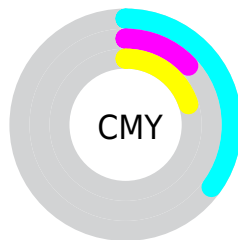
- Red (65%)
- Green (87%)
- Blue (80%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2880, 0.2868, 0.3499 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 64.2880, 0.2868, 0.3499 by changing the saturation by 10% instead.


 64.2880, 0.2868,
0.3499


 64.2880, 0.2868,
0.3499


440.2289, 0.2991,
0.3399

 46.8840, 0.2839,
0.3523


 111.0256, 0.2911,
0.3464

 32.9439, 0.2803,
0.3552


 141.1280, 0.2928,
0.3450

 22.0835, 0.2756,
0.3591


176.2319, 0.2942,
0.3438

 13.9183, 0.2694,
0.3643

216.7218, 0.2955,
0.3428

 8.0638, 0.2607,
0.3716

262.9821, 0.2965,
0.3420

 4.1358, 0.2477,
0.3827

315.3971, 0.2975,

 1.7498, 0.2262,

0.3412

0.4016

374.3512, 0.2984,
0.3405

0.4556, 0.0000,
0.5979

0.0000, 0.0000,
0.0000

64.2880, 0.2868,
0.3499

64.2880, 0.2868,
0.3499

61.7585, 0.2774,
0.3599

67.2491, 0.2970,
0.3407

59.6315, 0.2691,
0.3706

70.6533, 0.3078,
0.3324

57.8868, 0.2623,
0.3819

74.5219, 0.3189,
0.3249

56.4990, 0.2571,
0.3937

78.7909, 0.3298,
0.3183

■ 55.4398, 0.2539,
0.4058

■ 79.1943, 0.3250,
0.3114

■ 54.6761, 0.2528,
0.4179

■ 79.6137, 0.3203,
0.3047

■ 54.1679, 0.2536,
0.4299

■ 80.0490, 0.3157,
0.2981

■ 53.9587, 0.2546,
0.4365

■ 80.1932, 0.3143,
0.2960

Harmonies

Analogous

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



64.2880, 0.3117, 0.3690



64.2880, 0.2868, 0.3499



64.2880, 0.2692, 0.3251

Triad

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



64.2880, 0.2868, 0.3499



64.2880, 0.2868, 0.2855



64.2880, 0.3651, 0.3521

Complementary

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



64.2880, 0.2868, 0.3499



46.4818, 0.3478, 0.3091

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.



64.2880, 0.3581, 0.3303



64.2880, 0.2868, 0.3499



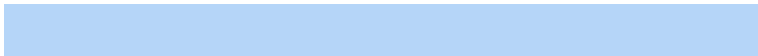
64.2880, 0.3120, 0.2930

Square

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



64.2880, 0.2868, 0.3499



64.2880, 0.2692, 0.2887



64.2880, 0.3383, 0.3091



64.2880, 0.3574, 0.3691

Rectangle

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



64.2880, 0.2868, 0.3499



64.2880, 0.2637, 0.3094



64.2880, 0.3383, 0.3091



64.2880, 0.3644, 0.3450

Sweetspot

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



64.2906, 0.2868, 0.3499



96.4133, 0.3050, 0.3345



64.7092, 0.3216, 0.3955



20.5734, 0.3043, 0.3350



0.0000, 0.0000, 0.0000



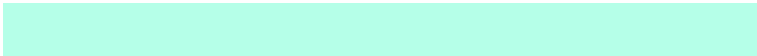
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2906, 0.2868, 0.3499



87.1585, 0.2821, 0.3546



60.0798, 0.2759, 0.3168



14.7561, 0.3024, 0.3365



31.3666, 0.2541, 0.4347



2.0474, 0.2487, 0.4152

Inverse Universe

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



46.4818, 0.3478, 0.3091



58.7049, 0.3570, 0.3050



49.5767, 0.3610, 0.3408



13.1188, 0.3242, 0.3217



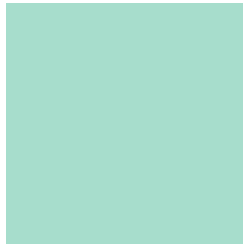
9.2024, 0.5697, 0.2912



0.6115, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 64.2880, 0.2868, 0.3499 looks on a white background.

Color Contrast Check

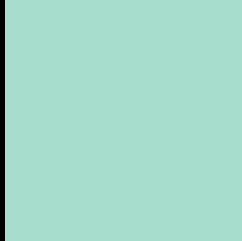
Large Text (above 18pt) WCAG AA × Fail

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 64.2880, 0.2868, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

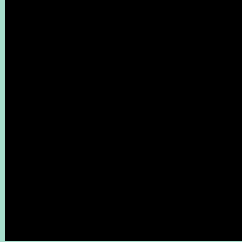
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

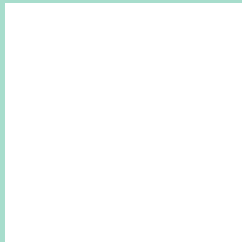
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2880, 0.2868, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 64.2880, 0.2868, 0.3499.

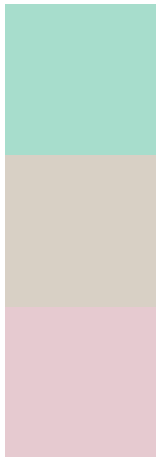


This preview shows how white text looks on a background with the Yxy color 64.2880, 0.2868, 0.3499.

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

64.2880, 0.2868, 0.3499

Protanopia

63.7419, 0.3266, 0.3416

Deuteranopia

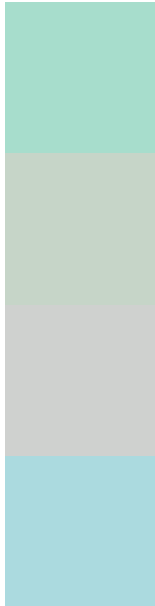
63.6181, 0.3302, 0.3225



Tritanopia

64.4505, 0.2727, 0.3089

Trichromacy



Original Color

64.2880, 0.2868, 0.3499

Protanomaly

63.7644, 0.3105, 0.3443

Deuteranomaly

63.3713, 0.3126, 0.3313

Tritanomaly

64.1284, 0.2779, 0.3229

Monochromacy



Original Color

64.2880, 0.2868, 0.3499

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.3521, 0.3028, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2880, 0.2868, 0.3499 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(167, 221, 204)` looks like.

```
.text, #text, p{  
    color:rgb(167, 221, 204)  
}
```

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(167, 221, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 221, 204) }
```

Border

The CSS property to change the border of an element to Yxy 64.2880, 0.2868, 0.3499 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(167, 221, 204) }
```

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

```
.border{ border-color:rgb(167, 221, 204) }
```

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

Here you see how a box with a 4 pixel rgb(167, 221, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 221, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 221, 204);  
box-shadow:4px 4px 4px 4px rgb(167, 221,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2880, 0.2868, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 221, 204) }
```

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

```
.background{ background-color: rgb(167,  
221, 204) }
```

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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