

Converting Colors

$Yxy(64.8355, 0.2884, 0.3789)$

Have a look what the booklet for
Yxy(64.8355, 0.2884, 0.3789)
contains.

Yxy(64.7529, 0.2884, 0.3787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.7529, 0.2884, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	99E2BB
RGB	153, 226, 187
RGB Percent	60%, 89%, 73%
CMY	0.3998, 0.1138, 0.2666
CMYK	0.32, 0.00, 0.17, 0.11
HSL	148°, 56%, 74%
HSV	148°, 32%, 89%
XYZ	49.3127, 64.7529, 56.9217
YIQ	199.7270, -30.9890, -27.6050

Conversions

Conversions Part 2

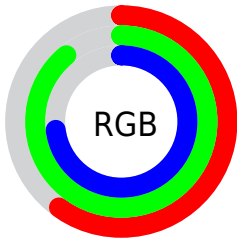
Format	Color
RYB	153, 203, 226
Decimal	10085051
CIELab	84.36, -30.80, 11.91
CIElCh	84, 33.024, 158.855
Yxy	64.7529, 0.2884, 0.3787
Android (android.graphics.Color)	4288275131 (0xFF99E2BB)
YUV	199.7270, -6.2744, -40.9796
Hunter-Lab	80.4692, -31.4336, 14.3883

Details

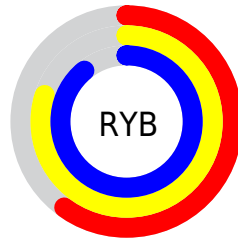
The Yxy color **64.7529, 0.2884, 0.3787** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.7781, 0.3475, 0.2843**, and the grayscale version is **57.6456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5464, 0.2918, 0.3414**, and **33.1233, 0.2815, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **62.2639, 0.2821, 0.3974**, and if you desaturate by 10%, it is **67.7073, 0.2955, 0.3615**.

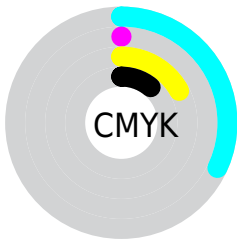
Distribution



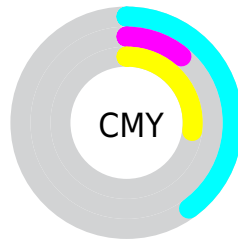
- Red (60%)
- Green (89%)
- Blue (73%)



- Red (60%)
- Yellow (80%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7529, 0.2884, 0.3787 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 64.7529, 0.2884, 0.3787 by changing the saturation by 10% instead.


 64.7529, 0.2884,
0.3787

 64.7529, 0.2884,
0.3787


441.9035, 0.3003,
0.3544

 47.2607, 0.2855,
0.3846

 111.6945, 0.2927,
0.3700

 33.2418, 0.2819,
0.3921


 141.9128, 0.2943,
0.3667

 22.3118, 0.2771,
0.4020


177.1419, 0.2957,
0.3639

 14.0862, 0.2705,
0.4154

217.7662, 0.2968,
0.3614

 8.1806, 0.2611,
0.4348

264.1701, 0.2979,
0.3593

 4.2107, 0.2464,
0.4652

316.7380, 0.2988,

 1.7921, 0.2200,

0.3575

375.8543, 0.2996,
0.3558

0.5197

0.4823, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.7529, 0.2884,
0.3787

64.7529, 0.2884,
0.3787

62.2639, 0.2821,
0.3974

67.7073, 0.2955,
0.3615

60.2076, 0.2770,
0.4173


71.1417, 0.3031,
0.3459

58.5596, 0.2733,
0.4381

75.0801, 0.3109,
0.3320


57.2899, 0.2715,
0.4593


79.5423, 0.3188,
0.3196

 56.3636, 0.2716,
0.4801

 82.3890, 0.3189,
0.3081

 55.7396, 0.2736,
0.5000

 82.8685, 0.3140,
0.3009

 55.4129, 0.2762,
0.5144

Harmonies

Analogous

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



64.7529, 0.3292, 0.4012



64.7529, 0.2884, 0.3787



64.7529, 0.2556, 0.3403

Triad

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



64.7529, 0.2884, 0.3787



64.7529, 0.2582, 0.2623



64.7529, 0.3934, 0.3481

Complementary

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



64.7529, 0.2884, 0.3787



42.7781, 0.3475, 0.2843

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.



64.7529, 0.3720, 0.3147



64.7529, 0.2884, 0.3787



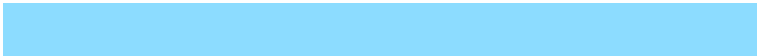
64.7529, 0.2921, 0.2671

Square

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



64.7529, 0.2884, 0.3787



64.7529, 0.2392, 0.2737



64.7529, 0.3340, 0.2859



64.7529, 0.3912, 0.3794

Rectangle

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



64.7529, 0.2884, 0.3787



64.7529, 0.2421, 0.3134



64.7529, 0.3340, 0.2859



64.7529, 0.3887, 0.3368

Sweetspot

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



64.7556, 0.2884, 0.3787



94.6335, 0.3048, 0.3427



68.0509, 0.3364, 0.4164



20.1058, 0.3037, 0.3448



0.0000, 0.0000, 0.0000



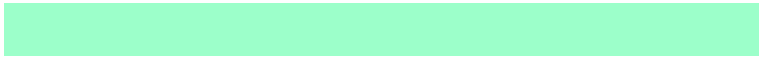
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7556, 0.2884, 0.3787



82.8003, 0.2839, 0.3916



66.4595, 0.2687, 0.3333



15.4429, 0.3053, 0.3418



31.6390, 0.2754, 0.5115



2.2110, 0.2672, 0.4821

Inverse Universe

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



42.7781, 0.3475, 0.2843



49.4747, 0.3579, 0.2744



41.3951, 0.3832, 0.3249



13.8224, 0.3209, 0.3165



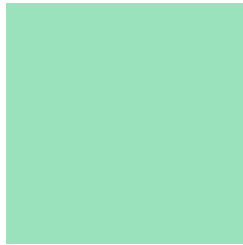
10.0330, 0.4807, 0.2422



0.7135, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 64.7529, 0.2884, 0.3787 looks on a white background.

Color Contrast Check

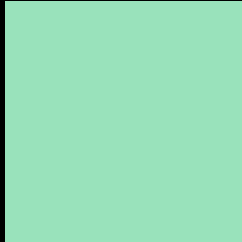
Large Text (above 18pt) WCAG AA × Fail

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 64.7529, 0.2884, 0.3787 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 64.7529, 0.2884, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 64.7529, 0.2884, 0.3787.

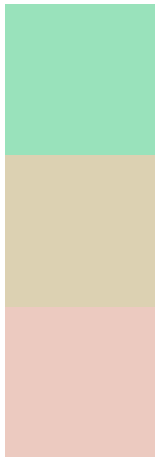


This preview shows how white text looks on a background with the Yxy color 64.7529, 0.2884, 0.3787.

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**

64.7529, 0.2884, 0.3787

Protanopia

64.0309, 0.3435, 0.3645

Deuteranopia

63.8797, 0.3472, 0.3400



Tritanopia

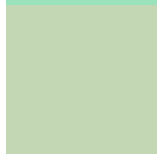
64.5640, 0.2654, 0.3075

Trichromacy



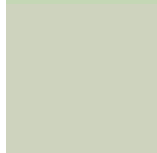
Original Color

64.7529, 0.2884, 0.3787



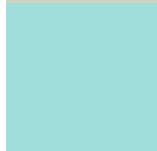
Protanomaly

63.6728, 0.3218, 0.3698



Deuteranomaly

63.4280, 0.3236, 0.3536



Tritanomaly

64.7280, 0.2734, 0.3326

Monochromacy



Original Color

64.7529, 0.2884, 0.3787



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.6083, 0.3031, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7529, 0.2884, 0.3787 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(153, 226, 187)` looks like.

```
.text, #text, p{  
    color:rgb(153, 226, 187)  
}
```

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(153, 226, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 226, 187) }
```

Border

The CSS property to change the border of an element to Yxy 64.7529, 0.2884, 0.3787 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(153, 226, 187) }
```

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

```
.border{ border-color:rgb(153, 226, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 226, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 226, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 226, 187);  
box-shadow:4px 4px 4px 4px rgb(153, 226,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7529, 0.2884, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 226, 187) }
```

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

```
.background{ background-color: rgb(153,  
226, 187) }
```

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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