

Converting Colors

$Yxy(48.7002, 0.2903, 0.3467)$

Have a look what the booklet for
Yxy(48.7002, 0.2903, 0.3467)
contains.

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Color

Yxy(48.6921, 0.2903, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	99C2B5
RGB	153, 194, 181
RGB Percent	60%, 76%, 71%
CMY	0.4000, 0.2392, 0.2901
CMYK	0.21, 0.00, 0.07, 0.24
HSL	161°, 25%, 68%
HSV	161°, 21%, 76%
XYZ	40.7710, 48.6921, 50.9813
YIQ	180.2590, -20.2630, -12.7350

Conversions

Conversions Part 2

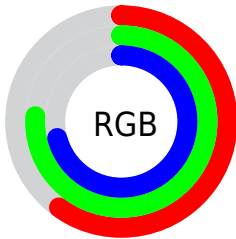
Format	Color
RYB	153, 177, 194
Decimal	10076853
CIELab	75.26, -16.27, 2.04
CIELCh	75, 16.400, 172.853
Yxy	48.6921, 0.2903, 0.3467
Android (android.graphics.Color)	4288266933 (0xFF99C2B5)
YUV	180.2590, 0.3653, -23.9061
Hunter-Lab	69.7797, -17.8202, 5.5283

Details

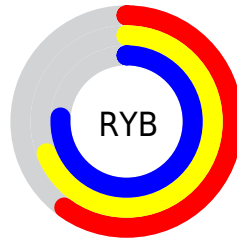
The Yxy color **48.6921, 0.2903, 0.3467** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0035, 0.3417, 0.3120**, and the grayscale version is **45.7960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5187, 0.2943, 0.3437**, and **23.0814, 0.2841, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **46.7109, 0.2807, 0.3564**, and if you desaturate by 10%, it is **50.9954, 0.3007, 0.3379**.

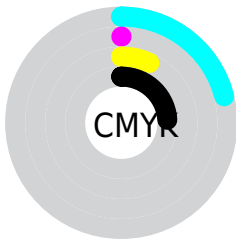
Distribution



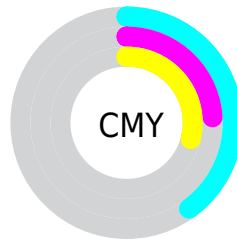
- Red (60%)
- Green (76%)
- Blue (71%)



- Red (60%)
- Yellow (69%)
- Blue (76%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)




- Cyan (40%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6921, 0.2903, 0.3467 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 48.6921, 0.2903, 0.3467 by changing the saturation by 10% instead.


 48.6921, 0.2903,
0.3467


 48.6921, 0.2903,
0.3467


381.5289, 0.3015,
0.3378

 34.3753, 0.2875,
0.3489

 88.2340, 0.2943,
0.3435

 23.1821, 0.2840,
0.3518


 114.2279, 0.2959,
0.3423

 14.7280, 0.2793,
0.3556


144.8829, 0.2972,
0.3412

 8.6287, 0.2727,
0.3609

180.5834, 0.2983,
0.3404

 4.4998, 0.2629,
0.3689

221.7139, 0.2992,
0.3396

 1.9569, 0.2470,
0.3823

268.6587, 0.3001,

 0.5822, 0.1270,

0.3389

0.4735

321.8023, 0.3008,
0.3384

0.0000, 0.0000,
0.0000

48.6921, 0.2903,
0.3467

48.6921, 0.2903,
0.3467

46.7109, 0.2807,
0.3564

50.9954, 0.3007,
0.3379

45.0306, 0.2720,
0.3668

53.6286, 0.3115,
0.3299

43.6373, 0.2647,
0.3779

56.6069, 0.3225,
0.3227

42.5131, 0.2589,
0.3894

59.9426, 0.3335,
0.3163

41.6383, 0.2550,
0.4014

63.6476, 0.3444,
0.3107

■ 40.9904, 0.2531,
0.4135

■ 64.8989, 0.3436,
0.3047

■ 40.5425, 0.2531,
0.4255

■ 65.2259, 0.3387,
0.2986

■ 40.2678, 0.2544,
0.4360

■ 65.5650, 0.3340,
0.2926

■ 65.9162, 0.3293,
0.2867

Harmonies

Analogous

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



48.6921, 0.3118, 0.3630



48.6921, 0.2903, 0.3467



48.6921, 0.2751, 0.3256

Triad

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



48.6921, 0.2903, 0.3467



48.6921, 0.2907, 0.2915



48.6921, 0.3576, 0.3492

Complementary

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



48.6921, 0.2903, 0.3467



37.0035, 0.3417, 0.3120

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.



48.6921, 0.3517, 0.3305



48.6921, 0.2903, 0.3467



48.6921, 0.3124, 0.2980

Square

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



48.6921, 0.2903, 0.3467



48.6921, 0.2753, 0.2942



48.6921, 0.3349, 0.3120



48.6921, 0.3510, 0.3636

Rectangle

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



48.6921, 0.2903, 0.3467



48.6921, 0.2703, 0.3122



48.6921, 0.3349, 0.3120



48.6921, 0.3571, 0.3432

Sweetspot

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



48.6941, 0.2903, 0.3467



94.7166, 0.3061, 0.3337



48.9895, 0.3205, 0.3851



20.6726, 0.3054, 0.3343



0.0000, 0.0000, 0.0000



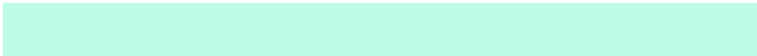
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6941, 0.2903, 0.3467



86.6196, 0.2861, 0.3507



45.9897, 0.2809, 0.3187



11.3725, 0.3025, 0.3364



26.4896, 0.2540, 0.4344



1.1566, 0.2466, 0.4079

Inverse Universe

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



37.0035, 0.3417, 0.3120



61.9386, 0.3492, 0.3084



39.0902, 0.3527, 0.3391



10.1292, 0.3240, 0.3217



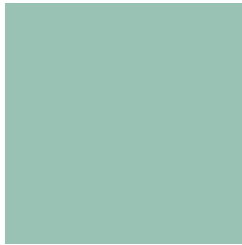
7.7782, 0.5677, 0.2901



0.3488, 0.5031, 0.2545

Previews

White Background



This preview shows how the Yxy color 48.6921, 0.2903, 0.3467 looks on a white background.

Color Contrast Check

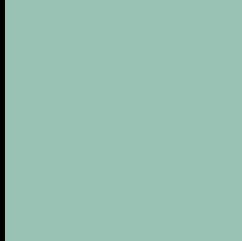
Large Text (above 18pt) WCAG AA × Fail

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 48.6921, 0.2903, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

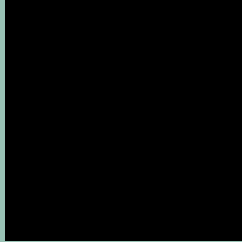
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

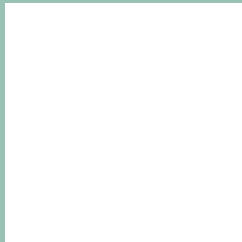
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6921, 0.2903, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 48.6921, 0.2903, 0.3467.

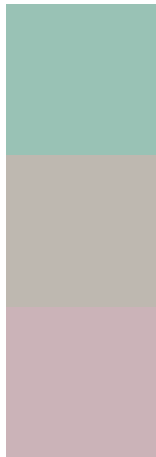


This preview shows how white text looks on a background with the Yxy color 48.6921, 0.2903, 0.3467.

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

48.6921, 0.2903, 0.3467

Protanopia

48.3627, 0.3242, 0.3393

Deuteranopia

48.3974, 0.3296, 0.3229



Tritanopia

48.5522, 0.2769, 0.3079

Trichromacy



Original Color

48.6921, 0.2903, 0.3467

Protanomaly

48.5279, 0.3113, 0.3421

Deuteranomaly

48.0142, 0.3143, 0.3303

Tritanomaly

48.3607, 0.2815, 0.3209

Monochromacy



Original Color

48.6921, 0.2903, 0.3467

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.5393, 0.3041, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6921, 0.2903, 0.3467 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, 194, 181)` looks like.

```
.text, #text, p{  
    color:rgb(153, 194, 181)  
}
```

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, 194, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 194, 181) }
```

Border

The CSS property to change the border of an element to Yxy 48.6921, 0.2903, 0.3467 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, 194, 181) }
```

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

```
.border{ border-color:rgb(153, 194, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 194, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 194, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 194, 181);  
box-shadow:4px 4px 4px 4px rgb(153, 194,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6921, 0.2903, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 194, 181) }
```

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

```
.background{ background-color: rgb(153,  
194, 181) }
```

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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