

Converting Colors

$Y_{xy}(48.8440, 0.2959, 0.3516)$

Have a look what the booklet for
Yxy(48.8440, 0.2959, 0.3516)
contains.

Yxy(48.9260, 0.2961, 0.3522)	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(48.9260, 0.2961, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	9DC2B1
RGB	157, 194, 177
RGB Percent	62%, 76%, 69%
CMY	0.3842, 0.2392, 0.3060
CMYK	0.19, 0.00, 0.09, 0.24
HSL	152°, 23%, 69%
HSV	152°, 19%, 76%
XYZ	41.1328, 48.9260, 48.8565
YIQ	180.9990, -16.5950, -13.1310

Conversions

Conversions Part 2

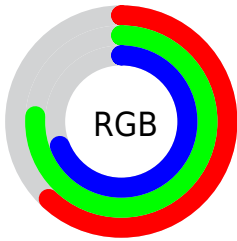
Format	Color
R _{YB}	157, 181, 194
Decimal	10338993
CIE Lab	75.41, -15.79, 4.48
CIE LCh	75, 16.413, 164.158
Yxy	48.9260, 0.2961, 0.3522
Android (android.graphics.Color)	4288529073 (0xFF9DC2B1)
YUV	180.9990, -1.9715, -21.0471
Hunter-Lab	69.9471, -17.4394, 7.5502

Details

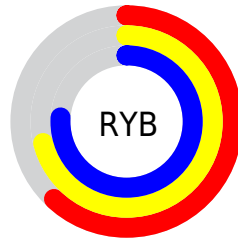
The Yxy color **48.9260, 0.2961, 0.3522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6485, 0.3332, 0.3069**, and the grayscale version is **46.2274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8746, 0.2989, 0.3479**, and **23.2147, 0.2916, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **46.7842, 0.2880, 0.3663**, and if you desaturate by 10%, it is **51.4050, 0.3047, 0.3394**.

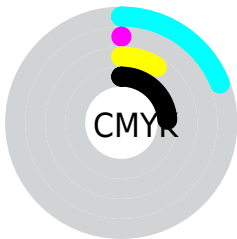
Distribution



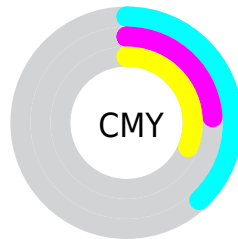
- Red (62%)
- Green (76%)
- Blue (69%)



- Red (62%)
- Yellow (71%)
- Blue (76%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)




- Cyan (38%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9260, 0.2961, 0.3522 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 48.9260, 0.2961, 0.3522 by changing the saturation by 10% instead.

 48.9260, 0.2961,
0.3522


 48.9260, 0.2961,
0.3522


382.4509, 0.3044,
0.3405

 34.5608, 0.2940,
0.3552


 88.5815, 0.2991,
0.3479

 23.3247, 0.2913,
0.3590

 114.6406, 0.3003,
0.3463

 14.8335, 0.2877,
0.3641


145.3665, 0.3012,
0.3450

 8.7026, 0.2827,
0.3713

181.1435, 0.3021,
0.3438

 4.5477, 0.2751,
0.3822

222.3561, 0.3028,
0.3428

 1.9844, 0.2625,
0.4007

269.3886, 0.3034,

 0.5984, 0.1637,

0.3420

0.5343

322.6254, 0.3039,
0.3412

0.0000, 0.0000,
0.0000

48.9260, 0.2961,
0.3522

48.9260, 0.2961,
0.3522

46.7842, 0.2880,
0.3663

51.4050, 0.3047,
0.3394

44.9585, 0.2806,
0.3816

54.2292, 0.3136,
0.3280

43.4348, 0.2744,
0.3981

57.4139, 0.3224,
0.3178

42.1952, 0.2695,
0.4154


60.9715, 0.3312,
0.3088


41.2203, 0.2664,
0.4333


64.9140, 0.3398,
0.3009


 40.4877, 0.2652,
0.4514

 65.5898, 0.3336,
0.2922

 39.9715, 0.2660,
0.4691

 66.1063, 0.3269,
0.2836

 39.6268, 0.2686,
0.4861

 66.6490, 0.3203,
0.2753

 39.5978, 0.2688,
0.4877

 67.0646, 0.3155,
0.2693

Harmonies

Analogous

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



48.9260, 0.3184, 0.3659



48.9260, 0.2961, 0.3522



48.9260, 0.2787, 0.3318

Triad

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



48.9260, 0.2961, 0.3522



48.9260, 0.2854, 0.2913



48.9260, 0.3572, 0.3440

Complementary

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



48.9260, 0.2961, 0.3522



38.6485, 0.3332, 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.



48.9260, 0.3477, 0.3249



48.9260, 0.2961, 0.3522



48.9260, 0.3058, 0.2952

Square

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



48.9260, 0.2961, 0.3522



48.9260, 0.2727, 0.2969



48.9260, 0.3287, 0.3073



48.9260, 0.3541, 0.3602

Rectangle

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



48.9260, 0.2961, 0.3522



48.9260, 0.2719, 0.3178



48.9260, 0.3287, 0.3073



48.9260, 0.3554, 0.3377

Sweetspot

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



48.9280, 0.2961, 0.3522



94.5822, 0.3073, 0.3359



50.0503, 0.3244, 0.3784



20.6400, 0.3067, 0.3367



0.0000, 0.0000, 0.0000



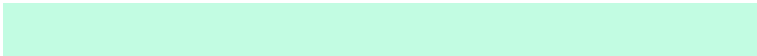
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9280, 0.2961, 0.3522



86.8997, 0.2925, 0.3581



49.1034, 0.2844, 0.3273



11.3477, 0.3044, 0.3398



26.0505, 0.2682, 0.4855



1.1394, 0.2575, 0.4471

Inverse Universe

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



38.6485, 0.3332, 0.3069



64.7623, 0.3389, 0.3017



38.4449, 0.3493, 0.3307



10.1533, 0.3218, 0.3184



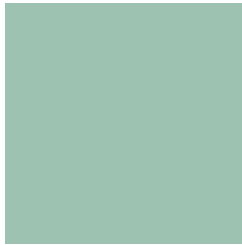
8.0348, 0.5103, 0.2585



0.3611, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 48.9260, 0.2961, 0.3522 looks on a white background.

Color Contrast Check

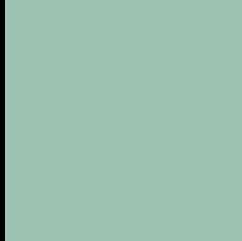
Large Text (above 18pt) WCAG AA × Fail

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 48.9260, 0.2961, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

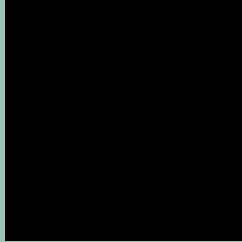
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9260, 0.2961, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 48.9260, 0.2961, 0.3522.



This preview shows how white text looks on a background with the Yxy color 48.9260, 0.2961, 0.3522.

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

48.9260, 0.2961, 0.3522

Protanopia

48.8829, 0.3290, 0.3456

Deuteranopia

48.5146, 0.3347, 0.3278



Tritanopia

48.9161, 0.2804, 0.3094

Trichromacy



Original Color

48.9260, 0.2961, 0.3522

Protanomaly

48.6061, 0.3160, 0.3474

Deuteranomaly

48.2270, 0.3201, 0.3354

Tritanomaly

48.6753, 0.2857, 0.3236

Monochromacy



Original Color

48.9260, 0.2961, 0.3522

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.1838, 0.3057, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9260, 0.2961, 0.3522 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(157, 194, 177)` looks like.

```
.text, #text, p{  
    color:rgb(157, 194, 177)  
}
```

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(157, 194, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 194, 177) }
```

Border

The CSS property to change the border of an element to Yxy 48.9260, 0.2961, 0.3522 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(157, 194, 177) }
```

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

```
.border{ border-color:rgb(157, 194, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 194, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 194, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 194, 177);  
box-shadow:4px 4px 4px 4px rgb(157, 194,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9260, 0.2961, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 194, 177) }
```

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

```
.background{ background-color: rgb(157,  
194, 177) }
```

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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