

Converting Colors

$Yxy(46.8104, 0.2833, 0.3642)$

Have a look what the booklet for
Yxy(46.8104, 0.2833, 0.3642)
contains.

Yxy(46.9190, 0.2835, 0.3650)	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(46.9190, 0.2835, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	85C3AA
RGB	133, 195, 170
RGB Percent	52%, 76%, 67%
CMY	0.4786, 0.2353, 0.3332
CMYK	0.32, 0.00, 0.13, 0.24
HSL	156°, 34%, 64%
HSV	156°, 32%, 76%
XYZ	36.4426, 46.9190, 45.1836
YIQ	173.6120, -28.9270, -20.9190

Conversions

Conversions Part 2

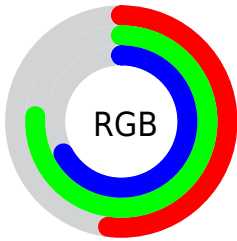
Format	Color
RYB	133, 172, 195
Decimal	8766378
CIELab	74.14, -25.29, 6.23
CIElCh	74, 26.042, 166.153
Yxy	46.9190, 0.2835, 0.3650
Android (android.graphics.Color)	4286956458 (0xFF85C3AA)
YUV	173.6120, -1.7807, -35.6167
Hunter-Lab	68.4974, -24.9035, 8.8382

Details

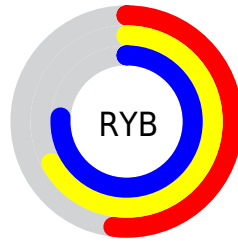
The Yxy color **46.9190, 0.2835, 0.3650** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.8361, 0.3556, 0.2959**, and the grayscale version is **42.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7484, 0.2893, 0.3587**, and **22.1071, 0.2751, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **45.1904, 0.2758, 0.3786**, and if you desaturate by 10%, it is **48.9638, 0.2921, 0.3525**.

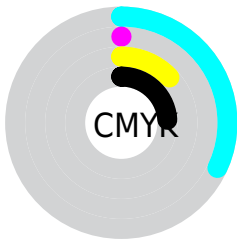
Distribution



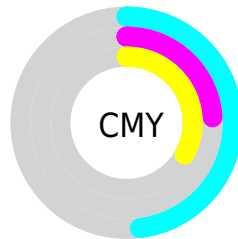
- Red (52%)
- Green (76%)
- Blue (67%)



- Red (52%)
- Yellow (67%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)





- Cyan (48%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9190, 0.2835, 0.3650 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 46.9190, 0.2835, 0.3650 by changing the saturation by 10% instead.


 46.9190, 0.2835,
0.3650


 46.9190, 0.2835,
0.3650


374.4911, 0.2983,
0.3466


 32.9716, 0.2798,
0.3697


 85.5927, 0.2889,
0.3582

 22.1047, 0.2749,
0.3759

 111.0878, 0.2909,
0.3557

 13.9339, 0.2684,
0.3842


 141.2010, 0.2926,
0.3536

 8.0747, 0.2592,
0.3962

176.3166, 0.2941,
0.3518

 4.1428, 0.2453,
0.4146

216.8190, 0.2954,
0.3502

 1.7537, 0.2218,
0.4467

263.0926, 0.2965,

 0.4581, 0.0000,

0.3489

0.8790

315.5219, 0.2974,
0.3477

0.0000, 0.0000,
0.0000

46.9190, 0.2835,
0.3650

46.9190, 0.2835,
0.3650

45.1904, 0.2758,
0.3786

48.9638, 0.2921,
0.3525

43.7556, 0.2694,
0.3930

51.3344, 0.3013,
0.3411

42.5983, 0.2645,
0.4082


54.0471, 0.3110,
0.3308

41.6981, 0.2614,
0.4237

57.1153, 0.3207,
0.3215

41.0318, 0.2603,
0.4394


60.5519, 0.3304,
0.3134


 40.5717, 0.2612,
0.4549

 64.3687, 0.3400,
0.3062

 40.3062, 0.2631,
0.4672

 65.7282, 0.3378,
0.2987

 66.1665, 0.3318,
0.2910

 66.6247, 0.3259,
0.2835

Harmonies

Analogous

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



46.9190, 0.3186, 0.3889



46.9190, 0.2835, 0.3650



46.9190, 0.2572, 0.3304

Triad

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



46.9190, 0.2835, 0.3650



46.9190, 0.2709, 0.2697



46.9190, 0.3850, 0.3535

Complementary

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



46.9190, 0.2835, 0.3650



30.8361, 0.3556, 0.2959

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.



46.9190, 0.3710, 0.3237



46.9190, 0.2835, 0.3650



46.9190, 0.3034, 0.2771

Square

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



46.9190, 0.2835, 0.3650



46.9190, 0.2503, 0.2765



46.9190, 0.3404, 0.2964



46.9190, 0.3782, 0.3793

Rectangle

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



46.9190, 0.2835, 0.3650



46.9190, 0.2476, 0.3078



46.9190, 0.3404, 0.2964



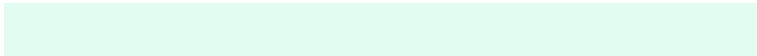
46.9190, 0.3826, 0.3436

Sweetspot

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



46.9209, 0.2835, 0.3650



92.6962, 0.3029, 0.3393



48.0781, 0.3290, 0.4161



20.1550, 0.3016, 0.3408



0.0000, 0.0000, 0.0000



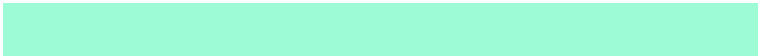
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9209, 0.2835, 0.3650



81.8704, 0.2782, 0.3741



45.6807, 0.2668, 0.3216



11.3576, 0.3037, 0.3384



26.2119, 0.2625, 0.4652



1.1459, 0.2531, 0.4313

Inverse Universe

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



30.8361, 0.3556, 0.2959



48.6771, 0.3685, 0.2886



31.5125, 0.3824, 0.3362



10.1436, 0.3227, 0.3198



7.9185, 0.5342, 0.2717



0.3558, 0.4755, 0.2393

Previews

White Background



This preview shows how the Yxy color 46.9190, 0.2835, 0.3650 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 46.9190, 0.2835, 0.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

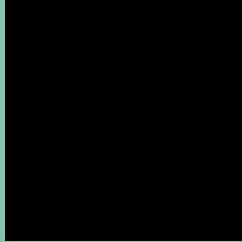
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9190, 0.2835, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 46.9190, 0.2835, 0.3650.



This preview shows how white text looks on a background with the Yxy color 46.9190, 0.2835, 0.3650.

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

46.9190, 0.2835, 0.3650

Protanopia

46.5109, 0.3344, 0.3525

Deuteranopia

46.2725, 0.3379, 0.3303



Tritanopia

46.8974, 0.2659, 0.3085

Trichromacy



Original Color

46.9190, 0.2835, 0.3650

Protanomaly

46.3060, 0.3139, 0.3563

Deuteranomaly

45.8201, 0.3156, 0.3410

Tritanomaly

46.9083, 0.2724, 0.3289

Monochromacy



Original Color

46.9190, 0.2835, 0.3650

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8440, 0.3004, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9190, 0.2835, 0.3650 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(133, 195, 170)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 170)  
}
```

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(133, 195, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.9190, 0.2835, 0.3650 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(133, 195, 170) }
```

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

```
.border{ border-color:rgb(133, 195, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 170);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9190, 0.2835, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 170) }
```

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

```
.background{ background-color: rgb(133,  
195, 170) }
```

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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