

Converting Colors

$Yxy(47.0033, 0.2874, 0.3644)$

Have a look what the booklet for
Yxy(47.0033, 0.2874, 0.3644)
contains.

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Color

Yxy(46.8891, 0.2869, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	8AC2AA
RGB	138, 194, 170
RGB Percent	54%, 76%, 67%
CMY	0.4589, 0.2392, 0.3332
CMYK	0.29, 0.00, 0.12, 0.24
HSL	154°, 31%, 65%
HSV	154°, 29%, 76%
XYZ	37.0286, 46.8891, 45.1467
YIQ	174.5200, -25.6720, -19.3360

Conversions

Conversions Part 2

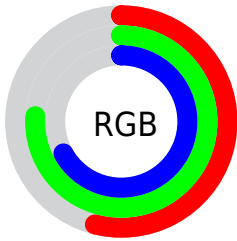
Format	Color
RYB	138, 174, 194
Decimal	9093802
CIELab	74.12, -23.27, 6.24
CIELCh	74, 24.089, 164.986
Yxy	46.8891, 0.2869, 0.3633
Android (android.graphics.Color)	4287283882 (0xFF8AC2AA)
YUV	174.5200, -2.2284, -32.0280
Hunter-Lab	68.4756, -23.3074, 8.8424

Details

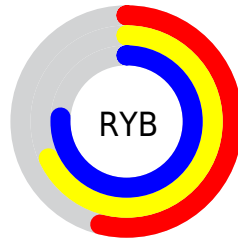
The Yxy color **46.8891, 0.2869, 0.3633** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.2477, 0.3489, 0.2973**, and the grayscale version is **42.6304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7681, 0.2921, 0.3575**, and **22.0426, 0.2792, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **45.0774, 0.2792, 0.3775**, and if you desaturate by 10%, it is **49.0201, 0.2954, 0.3503**.

Distribution



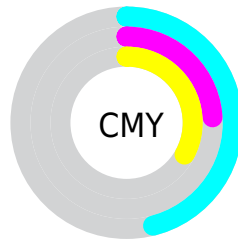
- Red (54%)
- Green (76%)
- Blue (67%)



- Red (54%)
- Yellow (68%)
- Blue (76%)



- Cyan (29%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)





- Cyan (46%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8891, 0.2869, 0.3633 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 46.8891, 0.2869, 0.3633 by changing the saturation by 10% instead.

 46.8891, 0.2869,
0.3633

 46.8891, 0.2869,
0.3633


374.3717, 0.3000,
0.3458


 32.9480, 0.2836,
0.3678


 85.5481, 0.2917,
0.3568

 22.0866, 0.2793,
0.3737


 111.0347, 0.2935,
0.3544

 13.9206, 0.2735,
0.3816


 141.1386, 0.2950,
0.3524

 8.0654, 0.2653,
0.3930

176.2443, 0.2963,
0.3507

 4.1368, 0.2529,
0.4105

216.7360, 0.2974,
0.3492

 1.7504, 0.2318,
0.4411

262.9982, 0.2984,

 0.4560, 0.0000,

0.3479

0.8834

315.4153, 0.2992,
0.3468

0.0000, 0.0000,
0.0000

46.8891, 0.2869,
0.3633

46.8891, 0.2869,
0.3633

45.0774, 0.2792,
0.3775

49.0201, 0.2954,
0.3503

43.5630, 0.2726,
0.3926

51.4795, 0.3045,
0.3385

42.3303, 0.2674,
0.4086

54.2831, 0.3138,
0.3279

41.3598, 0.2640,
0.4252

57.4441, 0.3231,
0.3184

40.6296, 0.2625,
0.4419

60.9749, 0.3324,
0.3101

■ 40.1136, 0.2631,
0.4584

■ 64.8874, 0.3415,
0.3027

■ 39.7684, 0.2653,
0.4744

■ 65.4548, 0.3355,
0.2946

■ 39.7338, 0.2656,
0.4762

■ 65.9272, 0.3292,
0.2865

■ 66.4222, 0.3230,
0.2787

Harmonies

Analogous

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



46.8891, 0.3196, 0.3847



46.8891, 0.2869, 0.3633



46.8891, 0.2619, 0.3317

Triad

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



46.8891, 0.2869, 0.3633



46.8891, 0.2730, 0.2738



46.8891, 0.3794, 0.3509

Complementary

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



46.8891, 0.2869, 0.3633



32.2477, 0.3489, 0.2973

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.



46.8891, 0.3657, 0.3231



46.8891, 0.2869, 0.3633



46.8891, 0.3029, 0.2802

Square

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



46.8891, 0.2869, 0.3633



46.8891, 0.2543, 0.2809



46.8891, 0.3371, 0.2979



46.8891, 0.3739, 0.3751

Rectangle

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



46.8891, 0.2869, 0.3633



46.8891, 0.2525, 0.3107



46.8891, 0.3371, 0.2979



46.8891, 0.3769, 0.3417

Sweetspot

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



46.8910, 0.2869, 0.3633



93.1368, 0.3042, 0.3388



48.1286, 0.3284, 0.4070



20.2433, 0.3029, 0.3405



0.0000, 0.0000, 0.0000



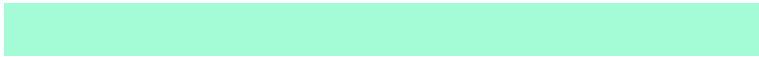
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8910, 0.2869, 0.3633



82.6945, 0.2816, 0.3726



46.2408, 0.2708, 0.3237



11.3533, 0.3040, 0.3390



26.1390, 0.2650, 0.4741



1.1430, 0.2551, 0.4382

Inverse Universe

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



32.2477, 0.3489, 0.2973



51.6228, 0.3604, 0.2896



32.5654, 0.3743, 0.3342



10.1478, 0.3223, 0.3192



7.9670, 0.5239, 0.2660



0.3580, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 46.8891, 0.2869, 0.3633 looks on a white background.

Color Contrast Check

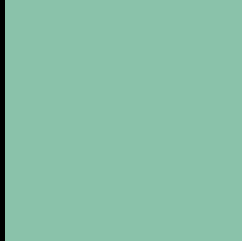
Large Text (above 18pt) WCAG AA × Fail

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 46.8891, 0.2869, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

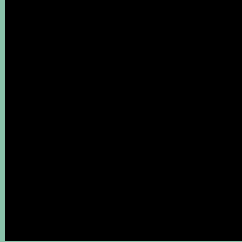
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8891, 0.2869, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 46.8891, 0.2869, 0.3633.



This preview shows how white text looks on a background with the Yxy color 46.8891, 0.2869, 0.3633.

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

46.8891, 0.2869, 0.3633

Protanopia

46.5109, 0.3344, 0.3525

Deuteranopia

46.2725, 0.3379, 0.3303



Tritanopia

46.7746, 0.2690, 0.3086

Trichromacy



Original Color

46.8891, 0.2869, 0.3633

Protanomaly

46.4170, 0.3148, 0.3562

Deuteranomaly

46.0567, 0.3173, 0.3409

Tritanomaly

46.8182, 0.2749, 0.3275

Monochromacy



Original Color

46.8891, 0.2869, 0.3633

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1544, 0.3029, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8891, 0.2869, 0.3633 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(138, 194, 170)` looks like.

```
.text, #text, p{  
    color:rgb(138, 194, 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(138, 194, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 194, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.8891, 0.2869, 0.3633 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(138, 194, 170) }
```

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

```
.border{ border-color:rgb(138, 194, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 194, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 194, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 194, 170);  
box-shadow:4px 4px 4px 4px rgb(138, 194,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8891, 0.2869, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 194, 170) }
```

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

```
.background{ background-color: rgb(138,  
194, 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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