

Converting Colors

$Yxy(46.4555, 0.2869, 0.3633)$

Have a look what the booklet for
Yxy(46.4555, 0.2869, 0.3633)
contains.

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Color

Yxy(46.3229, 0.2868, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	89C1A9
RGB	137, 193, 169
RGB Percent	54%, 76%, 66%
CMY	0.4628, 0.2431, 0.3371
CMYK	0.29, 0.00, 0.12, 0.24
HSL	154°, 31%, 65%
HSV	154°, 29%, 76%
XYZ	36.5486, 46.3229, 44.5643
YIQ	173.5200, -25.6720, -19.3360

Conversions

Conversions Part 2

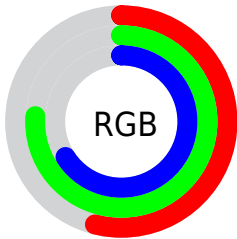
Format	Color
RYB	137, 173, 193
Decimal	9028009
CIELab	73.75, -23.28, 6.26
CIElCh	74, 24.107, 164.958
Yxy	46.3229, 0.2868, 0.3635
Android (android.graphics.Color)	4287218089 (0xFF89C1A9)
YUV	173.5200, -2.2284, -32.0280
Hunter-Lab	68.0609, -23.2525, 8.8213

Details

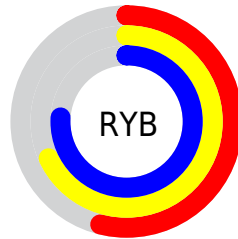
The Yxy color $46.3229, 0.2868, 0.3635$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $31.7985, 0.3491, 0.2971$, and the grayscale version is $42.0908, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.9595, 0.2920, 0.3576$, and $21.6809, 0.2790, 0.3736$ is the 20% darker color. If you saturate the color by 10%, you get $44.5365, 0.2791, 0.3777$, and if you desaturate by 10%, it is $48.4245, 0.2953, 0.3505$.

Distribution



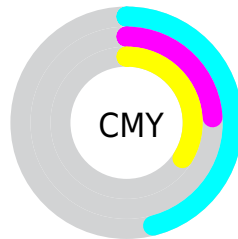
- Red (54%)
- Green (76%)
- Blue (66%)



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



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





- Cyan (46%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3229, 0.2868, 0.3635 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 46.3229, 0.2868, 0.3635 by changing the saturation by 10% instead.

 46.3229, 0.2868,
0.3635

 46.3229, 0.2868,
0.3635


372.1053, 0.3000,
0.3458


 32.5007, 0.2835,
0.3681


 84.7020, 0.2916,
0.3570

 21.7442, 0.2791,
0.3740


 110.0278, 0.2934,
0.3546

 13.6691, 0.2733,
0.3820


 139.9568, 0.2949,
0.3525

 7.8909, 0.2650,
0.3936

174.8735, 0.2962,
0.3508

 4.0252, 0.2524,
0.4115

215.1624, 0.2974,
0.3493

 1.6877, 0.2308,
0.4428

261.2077, 0.2983,

 0.4157, 0.0000,

0.3480

0.9648

313.3938, 0.2992,
0.3469

0.0000, 0.0000,
0.0000

46.3229, 0.2868,
0.3635

46.3229, 0.2868,
0.3635

44.5365, 0.2791,
0.3777

48.4245, 0.2953,
0.3505

43.0436, 0.2725,
0.3929

50.8502, 0.3043,
0.3386

41.8288, 0.2674,
0.4089

53.6159, 0.3136,
0.3280

40.8728, 0.2640,
0.4254

56.7344, 0.3230,
0.3185

40.1538, 0.2625,
0.4421

60.2180, 0.3323,
0.3102

■ 39.6461, 0.2631,
0.4587

■ 64.0785, 0.3414,
0.3028

■ 39.3059, 0.2654,
0.4747

■ 64.9397, 0.3366,
0.2948

■ 39.2760, 0.2656,
0.4762

■ 65.4066, 0.3303,
0.2868

■ 65.8956, 0.3240,
0.2790

Harmonies

Analogous

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



46.3229, 0.3197, 0.3850



46.3229, 0.2868, 0.3635



46.3229, 0.2617, 0.3317

Triad

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



46.3229, 0.2868, 0.3635



46.3229, 0.2728, 0.2736



46.3229, 0.3797, 0.3510

Complementary

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



46.3229, 0.2868, 0.3635



31.7985, 0.3491, 0.2971

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.



46.3229, 0.3659, 0.3231



46.3229, 0.2868, 0.3635



46.3229, 0.3028, 0.2800

Square

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



46.3229, 0.2868, 0.3635



46.3229, 0.2540, 0.2807



46.3229, 0.3372, 0.2977



46.3229, 0.3742, 0.3752

Rectangle

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



46.3229, 0.2868, 0.3635



46.3229, 0.2523, 0.3106



46.3229, 0.3372, 0.2977



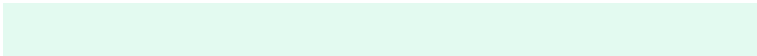
46.3229, 0.3772, 0.3417

Sweetspot

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



46.3248, 0.2868, 0.3635



91.0141, 0.3042, 0.3388



47.5519, 0.3285, 0.4074



19.3809, 0.3029, 0.3404



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.3248, 0.2868, 0.3635



80.8129, 0.2817, 0.3726



45.6793, 0.2706, 0.3237



11.3532, 0.3040, 0.3390



26.1383, 0.2651, 0.4742



1.1429, 0.2551, 0.4382

Inverse Universe

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



31.7985, 0.3491, 0.2971



50.4639, 0.3604, 0.2896



32.1125, 0.3746, 0.3343



10.1479, 0.3223, 0.3192



7.9675, 0.5238, 0.2659



0.3580, 0.4674, 0.2349

Previews

White Background



This preview shows how the Yxy color 46.3229, 0.2868, 0.3635 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 46.3229, 0.2868, 0.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

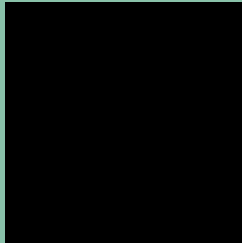
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3229, 0.2868, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 46.3229, 0.2868, 0.3635.



This preview shows how white text looks on a background with the Yxy color 46.3229, 0.2868, 0.3635.

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

46.3229, 0.2868, 0.3635

Protanopia

45.9425, 0.3345, 0.3527

Deuteranopia

45.7067, 0.3380, 0.3303



Tritanopia

46.2075, 0.2688, 0.3085

Trichromacy



Original Color

46.3229, 0.2868, 0.3635

Protanomaly

45.8496, 0.3148, 0.3563

Deuteranomaly

45.4913, 0.3173, 0.3410

Tritanomaly

46.2512, 0.2748, 0.3275

Monochromacy



Original Color

46.3229, 0.2868, 0.3635

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.6034, 0.3029, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3229, 0.2868, 0.3635 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(137, 193, 169)` looks like.

```
.text, #text, p{  
    color:rgb(137, 193, 169)  
}
```

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(137, 193, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 193, 169) }
```

Border

The CSS property to change the border of an element to Yxy 46.3229, 0.2868, 0.3635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

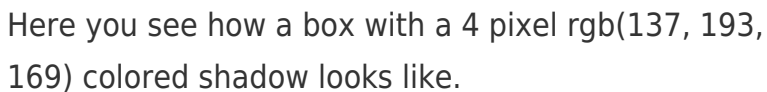
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 193, 169) }
```

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

```
.border{ border-color:rgb(137, 193, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 193, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 193, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 193, 169); box-shadow:4px 4px 4px 4px rgb(137, 193, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3229, 0.2868, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 193, 169) }
```

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

```
.background{ background-color: rgb(137,  
193, 169) }
```

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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