

Converting Colors

$Yxy(59.1517, 0.2841, 0.3865)$

Have a look what the booklet for
Yxy(59.1517, 0.2841, 0.3865)
contains.

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Color

Yxy(59.1160, 0.2846, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	89DBB0
RGB	137, 219, 176
RGB Percent	54%, 86%, 69%
CMY	0.4627, 0.1412, 0.3098
CMYK	0.37, 0.00, 0.20, 0.14
HSL	149°, 53%, 70%
HSV	149°, 37%, 86%
XYZ	43.4852, 59.1160, 50.1928
YIQ	189.5800, -35.0690, -30.7570

Conversions

Conversions Part 2

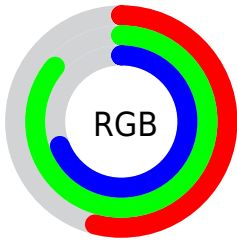
Format	Color
RYB	137, 193, 219
Decimal	9034672
CIELab	81.36, -34.36, 13.36
CIELCh	81, 36.864, 158.759
Yxy	59.1160, 0.2846, 0.3869
Android (android.graphics.Color)	4287224752 (0xFF89DBB0)
YUV	189.5800, -6.6949, -46.1127
Hunter-Lab	76.8869, -33.5973, 15.1155

Details

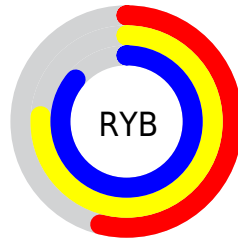
The Yxy color **59.1160, 0.2846, 0.3869** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.2497, 0.3559, 0.2780**, and the grayscale version is **51.2948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6837, 0.2885, 0.3538**, and **29.8200, 0.2772, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **57.0159, 0.2788, 0.4058**, and if you desaturate by 10%, it is **61.6350, 0.2914, 0.3693**.

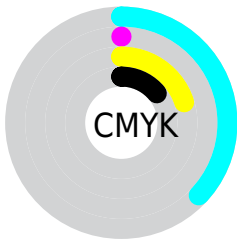
Distribution



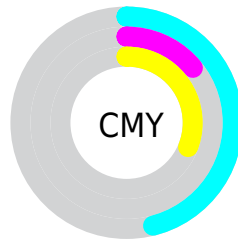
- Red (54%)
- Green (86%)
- Blue (69%)



- Red (54%)
- Yellow (76%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)





- Cyan (46%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1160, 0.2846, 0.3869 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 59.1160, 0.2846, 0.3869 by changing the saturation by 10% instead.


 59.1160, 0.2846,
0.3869


 59.1160, 0.2846,
0.3869

421.3317, 0.2986,
0.3580

 42.7065, 0.2811,
0.3941


 103.5462, 0.2897,
0.3764

 29.6549, 0.2766,
0.4033


 132.3358, 0.2916,
0.3725

 19.5768, 0.2707,
0.4156


 166.0208, 0.2932,
0.3691

 12.0878, 0.2625,
0.4327

204.9856, 0.2946,
0.3662

 6.8035, 0.2504,
0.4579

249.6148, 0.2958,
0.3638

 3.3395, 0.2307,
0.4988

300.2926, 0.2969,

 1.3114, 0.1693,

0.3616

0.6237

357.4034, 0.2978,
0.3597

■ 0.1500, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1160, 0.2846,
0.3869

■ 59.1160, 0.2846,
0.3869

■ 57.0159, 0.2788,
0.4058

■ 61.6350, 0.2914,
0.3693

■ 55.3037, 0.2743,
0.4258


■ 64.5876, 0.2989,
0.3532

■ 53.9554, 0.2714,
0.4464

■ 67.9964, 0.3068,
0.3388


■ 52.9412, 0.2705,
0.4671


■ 71.8804, 0.3148,
0.3258

 52.2265, 0.2715,
0.4872

 76.2575, 0.3228,
0.3144

 51.7644, 0.2744,
0.5061

 78.5121, 0.3211,
0.3035

 51.6673, 0.2752,
0.5108

 79.1448, 0.3144,
0.2940

Harmonies

Analogous

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



59.1160, 0.3312, 0.4129



59.1160, 0.2846, 0.3869



59.1160, 0.2474, 0.3418

Triad

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



59.1160, 0.2846, 0.3869



59.1160, 0.2503, 0.2530



59.1160, 0.4057, 0.3499

Complementary

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



59.1160, 0.2846, 0.3869



36.2497, 0.3559, 0.2780

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.



59.1160, 0.3809, 0.3122



59.1160, 0.2846, 0.3869



59.1160, 0.2887, 0.2587

Square

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



59.1160, 0.2846, 0.3869



59.1160, 0.2290, 0.2655



59.1160, 0.3368, 0.2798



59.1160, 0.4029, 0.3858

Rectangle

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



59.1160, 0.2846, 0.3869



59.1160, 0.2322, 0.3106



59.1160, 0.3368, 0.2798



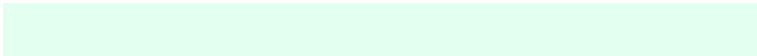
59.1160, 0.4003, 0.3371

Sweetspot

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



59.1184, 0.2846, 0.3869



94.1513, 0.3039, 0.3439



62.2633, 0.3387, 0.4317



20.0102, 0.3028, 0.3458



0.0000, 0.0000, 0.0000



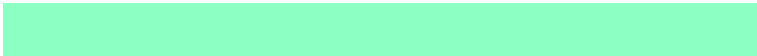
21.4041, 0.3127, 0.3290

Same Dimension

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



59.1184, 0.2846, 0.3869



81.0492, 0.2799, 0.4019



60.9556, 0.2621, 0.3323



14.7089, 0.3052, 0.3415



30.6570, 0.2745, 0.5081



2.0035, 0.2659, 0.4772

Inverse Universe

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



36.2497, 0.3559, 0.2780



44.2795, 0.3691, 0.2673



34.8398, 0.4011, 0.3259



13.1650, 0.3210, 0.3168



9.6842, 0.4847, 0.2444



0.6448, 0.4507, 0.2257

Previews

White Background



This preview shows how the Yxy color 59.1160, 0.2846, 0.3869 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 59.1160, 0.2846, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

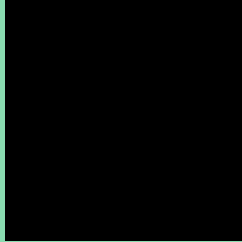
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

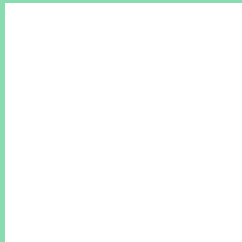
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1160, 0.2846, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 59.1160, 0.2846, 0.3869.



This preview shows how white text looks on a background with the Yxy color 59.1160, 0.2846, 0.3869.

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

59.1160, 0.2846, 0.3869

Protanopia

58.5604, 0.3470, 0.3694

Deuteranopia

58.4137, 0.3510, 0.3438



Tritanopia

59.1337, 0.2607, 0.3078

Trichromacy



Original Color

59.1160, 0.2846, 0.3869



Protanomaly

58.3283, 0.3218, 0.3768



Deuteranomaly

57.5686, 0.3238, 0.3585



Tritanomaly

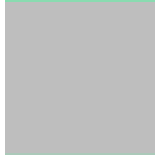
59.2738, 0.2693, 0.3353

Monochromacy



Original Color

59.1160, 0.2846, 0.3869



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.9340, 0.3011, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1160, 0.2846, 0.3869 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, 219, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 219, 176)  
}
```

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, 219, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 219, 176) }
```

Border

The CSS property to change the border of an element to Yxy 59.1160, 0.2846, 0.3869 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, 219, 176) }
```

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

```
.border{ border-color:rgb(137, 219, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 219, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 219, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 219, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 219,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1160, 0.2846, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 219, 176) }
```

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

```
.background{ background-color: rgb(137,  
219, 176) }
```

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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