

Converting Colors

$Yxy(58.4613, 0.2812, 0.3872)$

Have a look what the booklet for
Yxy(58.4613, 0.2812, 0.3872)
contains.

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Color

Yxy(58.6229, 0.2811, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	83DBB0
RGB	131, 219, 176
RGB Percent	51%, 86%, 69%
CMY	0.4863, 0.1412, 0.3099
CMYK	0.40, 0.00, 0.20, 0.14
HSL	151°, 55%, 69%
HSV	151°, 40%, 86%
XYZ	42.5262, 58.6229, 50.1358
YIQ	187.7860, -38.6450, -32.0290

Conversions

Conversions Part 2

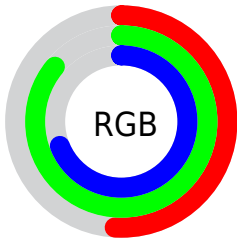
Format	Color
RYB	131, 189, 219
Decimal	8641456
CIELab	81.08, -36.04, 12.95
CIELCh	81, 38.298, 160.242
Yxy	58.6229, 0.2811, 0.3875
Android (android.graphics.Color)	4286831536 (0xFF83DBB0)
YUV	187.7860, -5.8105, -49.8013
Hunter-Lab	76.5656, -34.8470, 14.7723

Details

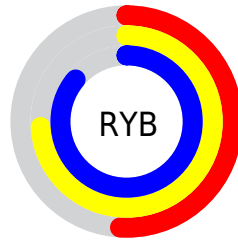
The Yxy color **58.6229, 0.2811, 0.3875** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.3514, 0.3637, 0.2778**, and the grayscale version is **50.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9110, 0.2852, 0.3540**, and **29.1609, 0.2724, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **56.6502, 0.2753, 0.4054**, and if you desaturate by 10%, it is **61.0034, 0.2881, 0.3708**.

Distribution



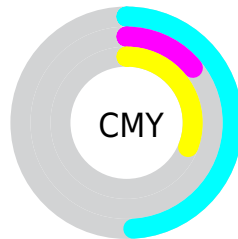
- Red (51%)
- Green (86%)
- Blue (69%)



- Red (51%)
- Yellow (74%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)




- Cyan (49%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6229, 0.2811, 0.3875 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 58.6229, 0.2811, 0.3875 by changing the saturation by 10% instead.


 58.6229, 0.2811,
0.3875

 58.6229, 0.2811,
0.3875


419.5030, 0.2968,
0.3582


 42.3096, 0.2772,
0.3948


 102.8294, 0.2868,
0.3769

 29.3438, 0.2722,
0.4042


 131.4914, 0.2889,
0.3729

 19.3411, 0.2656,
0.4166


 165.0384, 0.2908,
0.3695

 11.9170, 0.2565,
0.4340

203.8549, 0.2923,
0.3666

 6.6872, 0.2430,
0.4597

248.3252, 0.2937,
0.3641

 3.2672, 0.2215,
0.5015

298.8337, 0.2949,

 1.2728, 0.1439,

0.3619

0.6395

355.7649, 0.2959,
0.3599

■ 0.1200, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6229, 0.2811,
0.3875

■ 58.6229, 0.2811,
0.3875

■ 56.6502, 0.2753,
0.4054

■ 61.0034, 0.2881,
0.3708

■ 55.0539, 0.2709,
0.4241


■ 63.8066, 0.2958,
0.3555

■ 53.8093, 0.2683,
0.4434


■ 67.0556, 0.3041,
0.3416

■ 52.8859, 0.2676,
0.4626


■ 70.7694, 0.3126,
0.3292


 52.2471, 0.2690,
0.4814

 74.9661, 0.3211,
0.3182

 51.8343, 0.2719,
0.4988

 78.2308, 0.3242,
0.3081

 78.8869, 0.3170,
0.2978

 79.1461, 0.3144,
0.2940

Harmonies

Analogous

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



58.6229, 0.3293, 0.4160



58.6229, 0.2811, 0.3875



58.6229, 0.2433, 0.3398

Triad

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



58.6229, 0.2811, 0.3875



58.6229, 0.2494, 0.2500



58.6229, 0.4101, 0.3524

Complementary

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



58.6229, 0.2811, 0.3875



34.3514, 0.3637, 0.2778

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.



58.6229, 0.3856, 0.3132



58.6229, 0.2811, 0.3875



58.6229, 0.2900, 0.2568

Square

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



58.6229, 0.2811, 0.3875



58.6229, 0.2265, 0.2618



58.6229, 0.3402, 0.2794



58.6229, 0.4056, 0.3895

Rectangle

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



58.6229, 0.2811, 0.3875



58.6229, 0.2282, 0.3074



58.6229, 0.3402, 0.2794



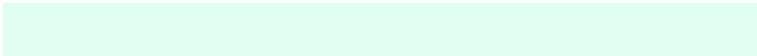
58.6229, 0.4050, 0.3392

Sweetspot

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



58.6253, 0.2811, 0.3875



93.7248, 0.3025, 0.3442



61.4193, 0.3380, 0.4407



19.9273, 0.3014, 0.3460



0.0000, 0.0000, 0.0000



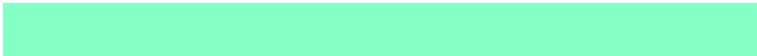
21.4041, 0.3127, 0.3290

Same Dimension

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



58.6253, 0.2811, 0.3875



80.4212, 0.2762, 0.4021



60.6064, 0.2576, 0.3288



14.7168, 0.3047, 0.3407



30.7557, 0.2712, 0.4962



2.0099, 0.2630, 0.4668

Inverse Universe

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



34.3514, 0.3637, 0.2778



41.7513, 0.3792, 0.2677



32.9330, 0.4143, 0.3293



13.1571, 0.3216, 0.3176



9.5823, 0.4996, 0.2526



0.6382, 0.4628, 0.2323

Previews

White Background



This preview shows how the Yxy color 58.6229, 0.2811, 0.3875 looks on a white background.

Color Contrast Check

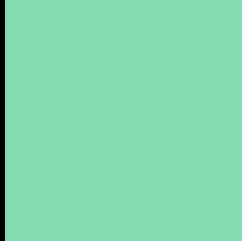
Large Text (above 18pt) WCAG AA × Fail

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 58.6229, 0.2811, 0.3875 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

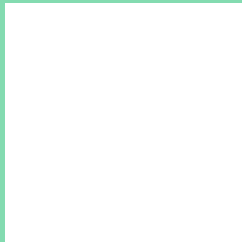
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6229, 0.2811, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 58.6229, 0.2811, 0.3875.

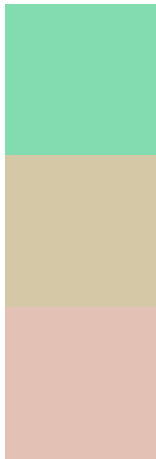


This preview shows how white text looks on a background with the Yxy color 58.6229, 0.2811, 0.3875.

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

58.6229, 0.2811, 0.3875

Protanopia

58.0588, 0.3480, 0.3695

Deuteranopia

57.8070, 0.3504, 0.3428



Tritanopia

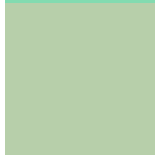
58.5837, 0.2574, 0.3076

Trichromacy



Original Color

58.6229, 0.2811, 0.3875



Protanomaly

57.5952, 0.3204, 0.3758



Deuteranomaly

56.7022, 0.3215, 0.3575



Tritanomaly

58.7430, 0.2659, 0.3353

Monochromacy



Original Color

58.6229, 0.2811, 0.3875



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.5230, 0.2988, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6229, 0.2811, 0.3875 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(131, 219, 176)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 219, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 219, 176) }
```

Border

The CSS property to change the border of an element to Yxy 58.6229, 0.2811, 0.3875 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(131, 219, 176) }
```

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

```
.border{ border-color:rgb(131, 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(131, 219, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 219, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 219, 176);  
box-shadow:4px 4px 4px 4px rgb(131, 219,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6229, 0.2811, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 219, 176) }
```

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

```
.background{ background-color: rgb(131,  
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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