

Converting Colors

$Yxy(58.1172, 0.2793, 0.3956)$

Have a look what the booklet for
Yxy(58.1172, 0.2793, 0.3956)
contains.

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Color

Yxy(58.3376, 0.2795, 0.3967)

Conversions

Conversions Part 1

Format	Color
Hex	7BDCAB
RGB	123, 220, 171
RGB Percent	48%, 86%, 67%
CMY	0.5180, 0.1372, 0.3294
CMYK	0.44, 0.00, 0.22, 0.14
HSL	150°, 58%, 67%
HSV	150°, 44%, 86%
XYZ	41.1025, 58.3376, 47.6171
YIQ	185.4110, -42.0830, -35.8030

Conversions

Conversions Part 2

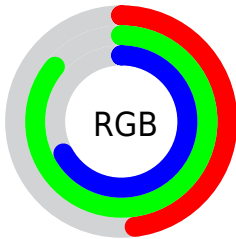
Format	Color
RYB	123, 188, 220
Decimal	8117419
CIELab	80.93, -39.68, 15.30
CIELCh	81, 42.529, 158.908
Yxy	58.3376, 0.2795, 0.3967
Android (android.graphics.Color)	4286307499 (0xFF7BDCAB)
YUV	185.4110, -7.1046, -54.7344
Hunter-Lab	76.3791, -37.6057, 16.5021

Details

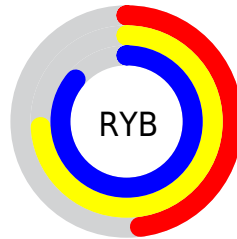
The Yxy color **58.3376, 0.2795, 0.3967** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.3400, 0.3691, 0.2711**, and the grayscale version is **48.8046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7143, 0.2845, 0.3611**, and **29.0411, 0.2695, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **56.4910, 0.2743, 0.4156**, and if you desaturate by 10%, it is **60.5891, 0.2859, 0.3789**.

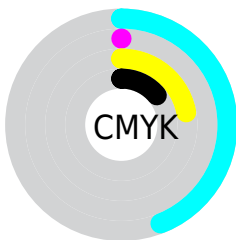
Distribution



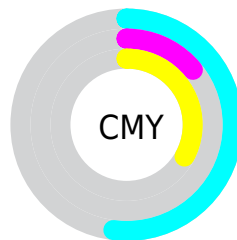
- Red (48%)
- Green (86%)
- Blue (67%)



- Red (48%)
- Yellow (74%)
- Blue (86%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)




- Cyan (52%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3376, 0.2795, 0.3967 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 58.3376, 0.2795, 0.3967 by changing the saturation by 10% instead.


 58.3376, 0.2795,
0.3967


 58.3376, 0.2795,
0.3967


418.4427, 0.2962,
0.3626


 42.0801, 0.2753,
0.4053


 102.4143, 0.2856,
0.3843

 29.1640, 0.2699,
0.4163


 131.0023, 0.2879,
0.3796

 19.2049, 0.2628,
0.4310


 164.4693, 0.2898,
0.3757

 11.8185, 0.2528,
0.4515

203.1997, 0.2914,
0.3723

 6.6202, 0.2380,
0.4821

247.5778, 0.2929,
0.3694

 3.2257, 0.2140,
0.5321

297.9881, 0.2941,

 1.2507, 0.1078,

0.3668

0.7450

354.8150, 0.2952,
0.3646

■ 0.1025, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3376, 0.2795,
0.3967

■ 58.3376, 0.2795,
0.3967

■ 56.4910, 0.2743,
0.4156

■ 60.5891, 0.2859,
0.3789

■ 55.0165, 0.2708,
0.4353


■ 63.2616, 0.2932,
0.3625

■ 53.8878, 0.2690,
0.4552


■ 66.3789, 0.3011,
0.3476

■ 53.0717, 0.2693,
0.4749

■ 69.9610, 0.3093,
0.3341


 52.5282, 0.2715,
0.4938

 74.0266, 0.3176,
0.3222

 52.2978, 0.2734,
0.5043

 78.5934, 0.3258,
0.3116

 79.2792, 0.3184,
0.3009

 79.6751, 0.3143,
0.2950

Harmonies

Analogous

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



58.3376, 0.3330, 0.4271



58.3376, 0.2795, 0.3967



58.3376, 0.2373, 0.3431

Triad

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



58.3376, 0.2795, 0.3967



58.3376, 0.2412, 0.2421



58.3376, 0.4206, 0.3521

Complementary

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



58.3376, 0.2795, 0.3967



32.3400, 0.3691, 0.2711

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.



58.3376, 0.3920, 0.3094



58.3376, 0.2795, 0.3967



58.3376, 0.2850, 0.2489

Square

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



58.3376, 0.2795, 0.3967



58.3376, 0.2172, 0.2556



58.3376, 0.3406, 0.2729



58.3376, 0.4166, 0.3934

Rectangle

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



58.3376, 0.2795, 0.3967



58.3376, 0.2203, 0.3067



58.3376, 0.3406, 0.2729



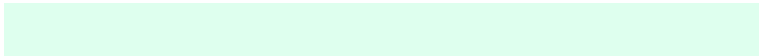
58.3376, 0.4145, 0.3376

Sweetspot

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



58.3400, 0.2795, 0.3967



93.2144, 0.3019, 0.3461



61.5171, 0.3411, 0.4521



19.7293, 0.3001, 0.3493



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.



58.3400, 0.2795, 0.3967



79.0801, 0.2747, 0.4143



60.4828, 0.2542, 0.3309



14.7132, 0.3049, 0.3411



30.7103, 0.2727, 0.5016



2.0070, 0.2643, 0.4715

Inverse Universe

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



32.3400, 0.3691, 0.2711



38.2914, 0.3871, 0.2599



30.8325, 0.4276, 0.3274



13.1607, 0.3213, 0.3173



9.6270, 0.4929, 0.2489



0.6411, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 58.3376, 0.2795, 0.3967 looks on a white background.

Color Contrast Check

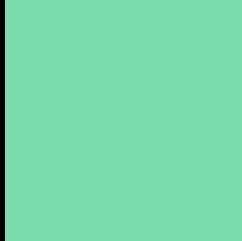
Large Text (above 18pt) WCAG AA × Fail

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 58.3376, 0.2795, 0.3967 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

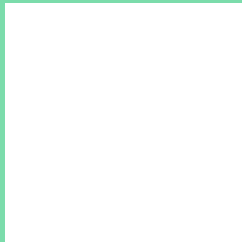
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3376, 0.2795, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 58.3376, 0.2795, 0.3967.

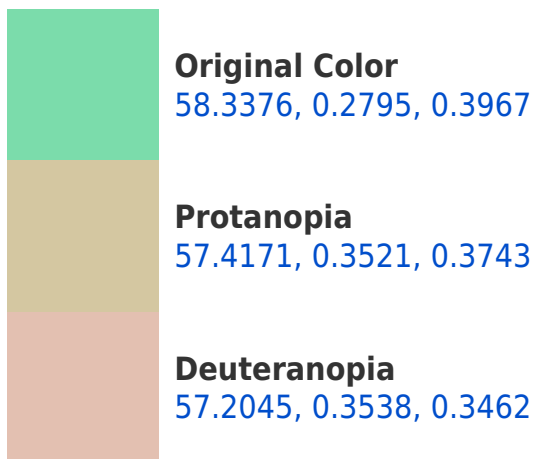


This preview shows how white text looks on a background with the Yxy color 58.3376, 0.2795, 0.3967.

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





Tritanopia

58.0625, 0.2542, 0.3074

Trichromacy



Original Color

58.3376, 0.2795, 0.3967



Protanomaly

57.0456, 0.3215, 0.3827



Deuteranomaly

56.1550, 0.3221, 0.3628



Tritanomaly

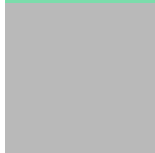
58.0605, 0.2632, 0.3380

Monochromacy



Original Color

58.3376, 0.2795, 0.3967



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.3648, 0.2978, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3376, 0.2795, 0.3967 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(123, 220, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 220, 171)  
}
```

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(123, 220, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 220, 171) }
```

Border

The CSS property to change the border of an element to Yxy 58.3376, 0.2795, 0.3967 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(123, 220, 171) }
```

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

```
.border{ border-color:rgb(123, 220, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 220, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 220, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 220, 171); box-shadow:4px 4px 4px 4px rgb(123, 220, 171) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3376, 0.2795, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 220, 171) }
```

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

```
.background{ background-color: rgb(123,  
220, 171) }
```

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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