

Converting Colors

$Yxy(45.0103, 0.2795, 0.3601)$

Have a look what the booklet for
Yxy(45.0103, 0.2795, 0.3601)
contains.

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Color

Yxy(45.1907, 0.2798, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	80C0AA
RGB	128, 192, 170
RGB Percent	50%, 75%, 67%
CMY	0.4981, 0.2470, 0.3333
CMYK	0.33, 0.00, 0.11, 0.25
HSL	159°, 34%, 63%
HSV	159°, 33%, 75%
XYZ	35.0065, 45.1907, 44.9155
YIQ	170.3560, -31.0820, -20.4100

Conversions

Conversions Part 2

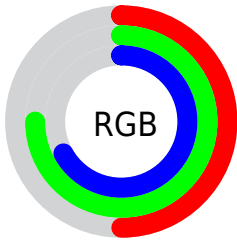
Format	Color
RYB	128, 167, 192
Decimal	8437930
CIELab	73.02, -25.29, 4.60
CIElCh	73, 25.705, 169.700
Yxy	45.1907, 0.2798, 0.3612
Android (android.graphics.Color)	4286628010 (0xFF80C0AA)
YUV	170.3560, -0.1755, -37.1462
Hunter-Lab	67.2240, -24.6892, 7.4425

Details

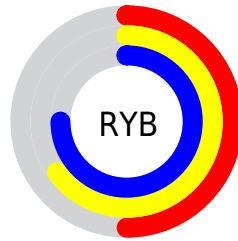
The Yxy color **45.1907, 0.2798, 0.3612** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.8424, 0.3628, 0.2993**, and the grayscale version is **40.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2549, 0.2863, 0.3558**, and **21.0215, 0.2703, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **43.5987, 0.2717, 0.3727**, and if you desaturate by 10%, it is **47.0806, 0.2889, 0.3505**.

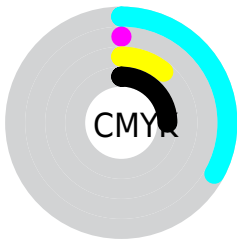
Distribution



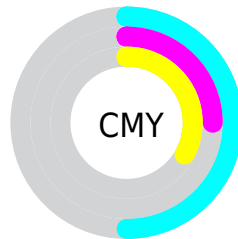
- Red (50%)
- Green (75%)
- Blue (67%)



- Red (50%)
- Yellow (65%)
- Blue (75%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)





- Cyan (50%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1907, 0.2798, 0.3612 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 45.1907, 0.2798, 0.3612 by changing the saturation by 10% instead.


 45.1907, 0.2798,
0.3612

 45.1907, 0.2798,
0.3612


367.5454, 0.2965,
0.3447

 31.6077, 0.2756,
0.3654

 83.0065, 0.2859,
0.3551

 21.0620, 0.2701,
0.3710


 108.0081, 0.2882,
0.3529

 13.1693, 0.2628,
0.3785


 137.5846, 0.2901,
0.3510

 7.5453, 0.2524,
0.3892

172.1204, 0.2917,
0.3493

 3.8054, 0.2366,
0.4059

212.0001, 0.2932,
0.3479

 1.5653, 0.2093,
0.4355

257.6078, 0.2944,

 0.3340, 0.0000,

0.3467

0.8874

309.3281, 0.2955,
0.3457

0.0000, 0.0000,
0.0000

45.1907, 0.2798,
0.3612

45.1907, 0.2798,
0.3612

43.5987, 0.2717,
0.3727

47.0806, 0.2889,
0.3505

42.2829, 0.2649,
0.3850

49.2778, 0.2988,
0.3407

41.2276, 0.2598,
0.3978


51.7979, 0.3092,
0.3318

40.4128, 0.2565,
0.4109


54.6540, 0.3198,
0.3238


39.8159, 0.2553,
0.4241

57.8581, 0.3304,
0.3167

 39.4094, 0.2559,
0.4371

 61.4221, 0.3409,
0.3104

 39.2096, 0.2572,
0.4457

 63.9288, 0.3452,
0.3044

 64.2772, 0.3400,
0.2978

 64.6394, 0.3348,
0.2913

Harmonies

Analogous

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



45.1907, 0.3143, 0.3870



45.1907, 0.2798, 0.3612



45.1907, 0.2550, 0.3262

Triad

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



45.1907, 0.2798, 0.3612



45.1907, 0.2743, 0.2699



45.1907, 0.3852, 0.3569

Complementary

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



45.1907, 0.2798, 0.3612



28.8424, 0.3628, 0.2993

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.



45.1907, 0.3736, 0.3272



45.1907, 0.2798, 0.3612



45.1907, 0.3078, 0.2789

Square

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



45.1907, 0.2798, 0.3612



45.1907, 0.2520, 0.2749



45.1907, 0.3446, 0.2993



45.1907, 0.3761, 0.3818

Rectangle

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



45.1907, 0.2798, 0.3612



45.1907, 0.2466, 0.3041



45.1907, 0.3446, 0.2993



45.1907, 0.3837, 0.3472

Sweetspot

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



45.1925, 0.2798, 0.3612



90.6720, 0.3021, 0.3377



45.7810, 0.3260, 0.4217



19.3180, 0.3006, 0.3390



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.



45.1925, 0.2798, 0.3612



79.7230, 0.2738, 0.3695



42.0149, 0.2641, 0.3150



11.3678, 0.3029, 0.3370



26.3973, 0.2567, 0.4441



1.1531, 0.2487, 0.4152

Inverse Universe

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



28.8424, 0.3628, 0.2993



45.5712, 0.3787, 0.2926



30.8240, 0.3850, 0.3424



10.1337, 0.3236, 0.3211



7.8183, 0.5576, 0.2845



0.3509, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 45.1907, 0.2798, 0.3612 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 45.1907, 0.2798, 0.3612 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 45.1907, 0.2798, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 45.1907, 0.2798, 0.3612.

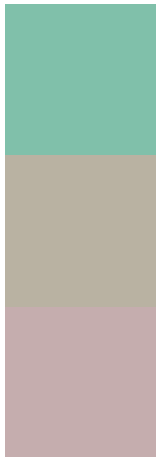


This preview shows how white text looks on a background with the Yxy color 45.1907, 0.2798, 0.3612.

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

45.1907, 0.2798, 0.3612

Protanopia

44.7637, 0.3322, 0.3503

Deuteranopia

44.8134, 0.3336, 0.3278



Tritanopia

44.9558, 0.2633, 0.3081

Trichromacy



Original Color

45.1907, 0.2798, 0.3612

Protanomaly

44.4761, 0.3107, 0.3540

Deuteranomaly

44.4303, 0.3114, 0.3385

Tritanomaly

45.0184, 0.2692, 0.3275

Monochromacy



Original Color

45.1907, 0.2798, 0.3612

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7116, 0.2994, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1907, 0.2798, 0.3612 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(128, 192, 170)` looks like.

```
.text, #text, p{  
    color:rgb(128, 192, 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(128, 192, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 192, 170) }
```

Border

The CSS property to change the border of an element to Yxy 45.1907, 0.2798, 0.3612 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(128, 192, 170) }
```

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

```
.border{ border-color:rgb(128, 192, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 192, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 192, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 192, 170);  
box-shadow:4px 4px 4px 4px rgb(128, 192,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1907, 0.2798, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 192, 170) }
```

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

```
.background{ background-color: rgb(128,  
192, 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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