

Converting Colors

$Yxy(47.3536, 0.2790, 0.3798)$

Have a look what the booklet for
Yxy(47.3536, 0.2790, 0.3798)
contains.

Yxy(47.5203, 0.2793, 0.3806)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5203, 0.2793, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	78C7A4
RGB	120, 199, 164
RGB Percent	47%, 78%, 64%
CMY	0.5294, 0.2196, 0.3568
CMYK	0.40, 0.00, 0.18, 0.22
HSL	153°, 41%, 63%
HSV	153°, 40%, 78%
XYZ	34.8724, 47.5203, 42.4636
YIQ	171.3890, -35.8490, -27.6330

Conversions

Conversions Part 2

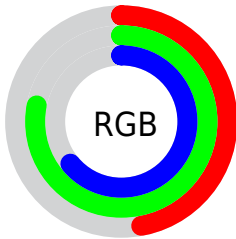
Format	Color
RYB	120, 171, 199
Decimal	7915428
CIELab	74.52, -32.23, 9.95
CIElCh	75, 33.733, 162.846
Yxy	47.5203, 0.2793, 0.3806
Android (android.graphics.Color)	4286105508 (0xFF78C7A4)
YUV	171.3890, -3.6428, -45.0682
Hunter-Lab	68.9350, -30.3378, 11.7321

Details

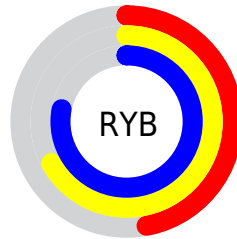
The Yxy color **47.5203, 0.2793, 0.3806** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.9450, 0.3669, 0.2833**, and the grayscale version is **40.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7484, 0.2854, 0.3695**, and **22.5789, 0.2695, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **45.9364, 0.2730, 0.3965**, and if you desaturate by 10%, it is **49.4258, 0.2868, 0.3658**.

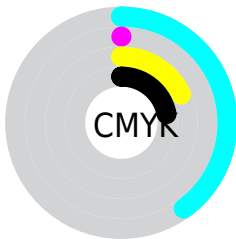
Distribution



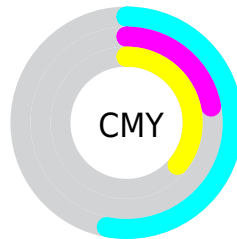
- Red (47%)
- Green (78%)
- Blue (64%)



- Red (47%)
- Yellow (67%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5203, 0.2793, 0.3806 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 47.5203, 0.2793, 0.3806 by changing the saturation by 10% instead.


 47.5203, 0.2793,
0.3806


 47.5203, 0.2793,
0.3806


376.8875, 0.2964,
0.3540

 33.4472, 0.2749,
0.3875


 86.4897, 0.2856,
0.3707

 22.4692, 0.2693,
0.3965


 112.1548, 0.2879,
0.3671

 14.2021, 0.2616,
0.4088


 142.4527, 0.2899,
0.3640

 8.2613, 0.2507,
0.4265

177.7678, 0.2916,
0.3614

 4.2626, 0.2340,
0.4541

218.4844, 0.2930,
0.3592

 1.8215, 0.2047,
0.5031

264.9869, 0.2943,

 0.5005, 0.0000,

0.3572

1.0000

317.6599, 0.2954,
0.3555

0.0000, 0.0000,
0.0000

47.5203, 0.2793,
0.3806

47.5203, 0.2793,
0.3806

45.9364, 0.2730,
0.3965

49.4258, 0.2868,
0.3658

44.6495, 0.2681,
0.4132

51.6644, 0.2951,
0.3522

43.6404, 0.2649,
0.4304

54.2540, 0.3039,
0.3398


42.8853, 0.2637,
0.4478


57.2097, 0.3130,
0.3287


42.3562, 0.2646,
0.4648


60.5455, 0.3222,
0.3188


 42.0018, 0.2671,
0.4813

 64.2747, 0.3312,
0.3100

 41.9919, 0.2672,
0.4818

 67.5825, 0.3368,
0.3020

 68.0781, 0.3301,
0.2934

 68.5990, 0.3236,
0.2850

Harmonies

Analogous

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



47.5203, 0.3246, 0.4096



47.5203, 0.2793, 0.3806



47.5203, 0.2446, 0.3352

Triad

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



47.5203, 0.2793, 0.3806



47.5203, 0.2555, 0.2539



47.5203, 0.4055, 0.3548

Complementary

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



47.5203, 0.2793, 0.3806



27.9450, 0.3669, 0.2833

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.



47.5203, 0.3845, 0.3174



47.5203, 0.2793, 0.3806



47.5203, 0.2953, 0.2617

Square

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



47.5203, 0.2793, 0.3806



47.5203, 0.2320, 0.2637



47.5203, 0.3429, 0.2844



47.5203, 0.3990, 0.3893

Rectangle

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



47.5203, 0.2793, 0.3806



47.5203, 0.2314, 0.3052



47.5203, 0.3429, 0.2844



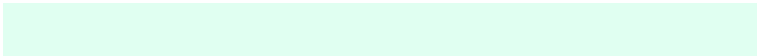
47.5203, 0.4014, 0.3422

Sweetspot

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



47.5222, 0.2793, 0.3806



93.8089, 0.3017, 0.3427



49.2275, 0.3344, 0.4397



19.9470, 0.3005, 0.3443



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.



47.5222, 0.2793, 0.3806



80.6811, 0.2735, 0.3949



47.1709, 0.2576, 0.3233



11.9852, 0.3042, 0.3394



27.0194, 0.2666, 0.4796



1.2938, 0.2569, 0.4449

Inverse Universe

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



27.9450, 0.3669, 0.2833



41.5055, 0.3854, 0.2733



27.9048, 0.4094, 0.3345



10.7137, 0.3221, 0.3188



8.2792, 0.5179, 0.2627



0.4065, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 47.5203, 0.2793, 0.3806 looks on a white background.

Color Contrast Check

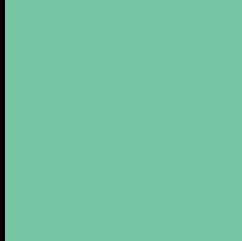
Large Text (above 18pt) WCAG AA × Fail

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 47.5203, 0.2793, 0.3806 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 47.5203, 0.2793, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 47.5203, 0.2793, 0.3806.



This preview shows how white text looks on a background with the Yxy color 47.5203, 0.2793, 0.3806.

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

47.5203, 0.2793, 0.3806

Protanopia

47.0289, 0.3436, 0.3641

Deuteranopia

46.8944, 0.3448, 0.3378



Tritanopia

47.5193, 0.2584, 0.3084

Trichromacy



Original Color

47.5203, 0.2793, 0.3806

Protanomaly

46.5421, 0.3174, 0.3704

Deuteranomaly

46.0697, 0.3176, 0.3519

Tritanomaly

47.3480, 0.2658, 0.3331

Monochromacy



Original Color

47.5203, 0.2793, 0.3806

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.5503, 0.2985, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5203, 0.2793, 0.3806 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(120, 199, 164)` looks like.

```
.text, #text, p{  
    color:rgb(120, 199, 164)  
}
```

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(120, 199, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 199, 164) }
```

Border

The CSS property to change the border of an element to Yxy 47.5203, 0.2793, 0.3806 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(120, 199, 164) }
```

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

```
.border{ border-color:rgb(120, 199, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 199, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 199, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 199, 164);  
box-shadow:4px 4px 4px 4px rgb(120, 199,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5203, 0.2793, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 199, 164) }
```

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

```
.background{ background-color: rgb(120,  
199, 164) }
```

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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