

Converting Colors

$Yxy(47.0203, 0.2819, 0.4017)$

Have a look what the booklet for
Yxy(47.0203, 0.2819, 0.4017)
contains.

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Color

Yxy(47.0203, 0.2819, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	70C898
RGB	112, 200, 152
RGB Percent	44%, 78%, 60%
CMY	0.5610, 0.2156, 0.4040
CMYK	0.44, 0.00, 0.24, 0.22
HSL	147°, 44%, 61%
HSV	147°, 44%, 78%
XYZ	32.9973, 47.0203, 37.0357
YIQ	168.2160, -37.0400, -33.5840

Conversions

Conversions Part 2

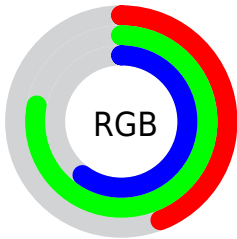
Format	Color
RYB	112, 173, 200
Decimal	7391384
CIELab	74.20, -37.39, 15.91
CIELCh	74, 40.638, 156.949
Yxy	47.0203, 0.2819, 0.4017
Android (android.graphics.Color)	4285581464 (0xFF70C898)
YUV	168.2160, -7.9945, -49.3014
Hunter-Lab	68.5713, -34.1036, 15.9772

Details

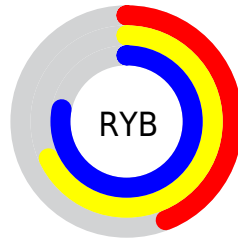
The Yxy color **47.0203, 0.2819, 0.4017** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.3941, 0.3639, 0.2672**, and the grayscale version is **39.3171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3011, 0.2883, 0.3855**, and **22.0311, 0.2715, 0.4240** is the 20% darker color. If you saturate the color by 10%, you get **45.5124, 0.2771, 0.4221**, and if you desaturate by 10%, it is **48.8563, 0.2879, 0.3825**.

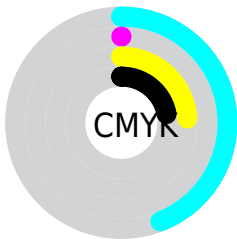
Distribution



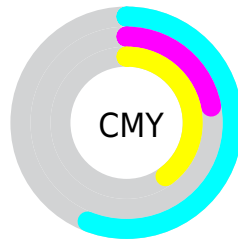
- Red (44%)
- Green (78%)
- Blue (60%)



- Red (44%)
- Yellow (68%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0203, 0.2819, 0.4017 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 47.0203, 0.2819, 0.4017 by changing the saturation by 10% instead.


 47.0203, 0.2819,
0.4017

 47.0203, 0.2819,
0.4017


374.8956, 0.2981,
0.3637

 33.0517, 0.2776,
0.4117


 85.7439, 0.2880,
0.3875

 22.1661, 0.2719,
0.4249


 111.2677, 0.2902,
0.3823

 13.9790, 0.2641,
0.4431


 141.4121, 0.2921,
0.3779

 8.1060, 0.2526,
0.4695

176.5614, 0.2936,
0.3742

 4.1629, 0.2343,
0.5112

217.0999, 0.2950,
0.3710

 1.7651, 0.1974,
0.5991

263.4122, 0.2962,

 0.4653, 0.0000,

0.3682

1.0000

315.8826, 0.2972,
0.3658

0.0000, 0.0000,
0.0000

47.0203, 0.2819,
0.4017

47.0203, 0.2819,
0.4017

45.5124, 0.2771,
0.4221

48.8563, 0.2879,
0.3825

44.3064, 0.2738,
0.4432

51.0331, 0.2947,
0.3649

43.3814, 0.2722,
0.4646


53.5698, 0.3020,
0.3488

42.7110, 0.2726,
0.4856


56.4825, 0.3096,
0.3344


42.2638, 0.2749,
0.5055


59.7860, 0.3173,
0.3215

 42.0689, 0.2768,
0.5166

 63.4945, 0.3249,
0.3102

 67.6215, 0.3323,
0.3003

 68.8211, 0.3265,
0.2899

 69.4863, 0.3187,
0.2797

Harmonies

Analogous

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



47.0203, 0.3370, 0.4307



47.0203, 0.2819, 0.4017



47.0203, 0.2376, 0.3473

Triad

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



47.0203, 0.2819, 0.4017



47.0203, 0.2372, 0.2403



47.0203, 0.4226, 0.3495

Complementary

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



47.0203, 0.2819, 0.4017



26.3941, 0.3639, 0.2672

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.



47.0203, 0.3912, 0.3061



47.0203, 0.2819, 0.4017



47.0203, 0.2808, 0.2460

Square

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



47.0203, 0.2819, 0.4017



47.0203, 0.2141, 0.2553



47.0203, 0.3374, 0.2695



47.0203, 0.4205, 0.3923

Rectangle

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



47.0203, 0.2819, 0.4017



47.0203, 0.2193, 0.3094



47.0203, 0.3374, 0.2695



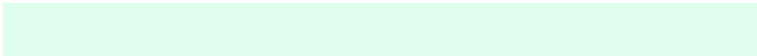
47.0203, 0.4156, 0.3347

Sweetspot

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



47.0222, 0.2819, 0.4017



93.1358, 0.3026, 0.3475



49.9962, 0.3434, 0.4500



19.7099, 0.3010, 0.3509



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.



47.0222, 0.2819, 0.4017



78.8508, 0.2772, 0.4215



48.7235, 0.2562, 0.3351



11.9667, 0.3055, 0.3419



26.7626, 0.2761, 0.5141



1.2818, 0.2648, 0.4734

Inverse Universe

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



26.3941, 0.3639, 0.2672



38.5318, 0.3808, 0.2546



25.1261, 0.4221, 0.3235



10.7321, 0.3206, 0.3165



8.5289, 0.4750, 0.2390



0.4183, 0.4344, 0.2167

Previews

White Background



This preview shows how the Yxy color 47.0203, 0.2819, 0.4017 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 47.0203, 0.2819, 0.4017 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 47.0203, 0.2819, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 47.0203, 0.2819, 0.4017.

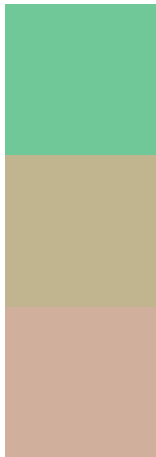


This preview shows how white text looks on a background with the Yxy color 47.0203, 0.2819, 0.4017.

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

47.0203, 0.2819, 0.4017

Protanopia

46.3684, 0.3549, 0.3786

Deuteranopia

46.5042, 0.3585, 0.3515



Tritanopia

47.1296, 0.2555, 0.3082

Trichromacy



Original Color

47.0203, 0.2819, 0.4017



Protanomaly

45.9343, 0.3249, 0.3878



Deuteranomaly

45.5318, 0.3262, 0.3687



Tritanomaly

47.1756, 0.2648, 0.3403

Monochromacy



Original Color

47.0203, 0.2819, 0.4017



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.5471, 0.2997, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0203, 0.2819, 0.4017 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(112, 200, 152)` looks like.

```
.text, #text, p{  
    color:rgb(112, 200, 152)  
}
```

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(112, 200, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 200, 152) }
```

Border

The CSS property to change the border of an element to Yxy 47.0203, 0.2819, 0.4017 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(112, 200, 152) }
```

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

```
.border{ border-color:rgb(112, 200, 152) }
```

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

Here you see how a box with a 4 pixel rgb(112, 200, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 200, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 200, 152);  
box-shadow:4px 4px 4px 4px rgb(112, 200,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0203, 0.2819, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 200, 152) }
```

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

```
.background{ background-color: rgb(112,  
200, 152) }
```

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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