

Converting Colors

$Yxy(41.4802, 0.2711, 0.3822)$

Have a look what the booklet for
Yxy(41.4802, 0.2711, 0.3822)
contains.

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Color

Yxy(41.4711, 0.2712, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	64BD9B
RGB	100, 189, 155
RGB Percent	39%, 74%, 61%
CMY	0.6076, 0.2588, 0.3922
CMYK	0.47, 0.00, 0.18, 0.26
HSL	157°, 40%, 57%
HSV	157°, 47%, 74%
XYZ	29.3731, 41.4711, 37.4637
YIQ	158.5130, -42.1300, -29.4420

Conversions

Conversions Part 2

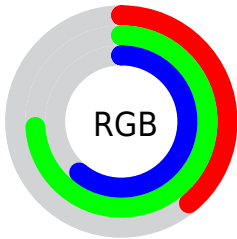
Format	Color
RYB	100, 155, 189
Decimal	6602139
CIELab	70.50, -34.82, 9.00
CIELCh	71, 35.965, 165.508
Yxy	41.4711, 0.2712, 0.3829
Android (android.graphics.Color)	4284792219 (0xFF64BD9B)
YUV	158.5130, -1.7319, -51.3159
Hunter-Lab	64.3981, -31.2796, 10.5866

Details

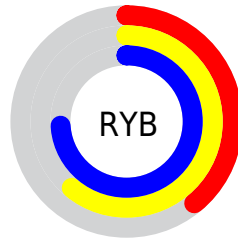
The Yxy color **41.4711, 0.2712, 0.3829** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.6656, 0.3892, 0.2825**, and the grayscale version is **34.4656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5829, 0.2797, 0.3730**, and **18.8410, 0.2582, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **40.2810, 0.2654, 0.3969**, and if you desaturate by 10%, it is **42.9291, 0.2785, 0.3696**.

Distribution



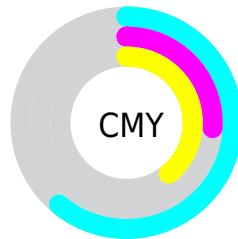
- Red (39%)
- Green (74%)
- Blue (61%)



- Red (39%)
- Yellow (61%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (18%)
- Black (26%)




- Cyan (61%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4711, 0.2712, 0.3829 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 41.4711, 0.2712, 0.3829 by changing the saturation by 10% instead.

 41.4711, 0.2712,
0.3829


 41.4711, 0.2712,
0.3829


352.2857, 0.2928,
0.3545


 28.6874, 0.2656,
0.3905


 77.3985, 0.2792,
0.3722


 18.8445, 0.2582,
0.4006


 101.3110, 0.2822,
0.3683

 11.5579, 0.2480,
0.4145


 129.7019, 0.2847,
0.3651

 6.4434, 0.2333,
0.4352

 162.9555, 0.2868,
0.3623

 3.1165, 0.2103,
0.4686

201.4563, 0.2886,
0.3599

 1.1929, 0.1224,
0.5721

245.5887, 0.2902,

 0.0559, 0.0000,

0.3579

1.0000

295.7370, 0.2915,
0.3561

0.0000, 0.0000,
0.0000

41.4711, 0.2712,
0.3829

41.4711, 0.2712,
0.3829

40.2810, 0.2654,
0.3969

42.9291, 0.2785,
0.3696

39.3360, 0.2612,
0.4114

44.6660, 0.2868,
0.3573

38.6176, 0.2590,
0.4262

46.6984, 0.2960,
0.3460


38.1027, 0.2587,
0.4410

49.0399, 0.3057,
0.3356

37.7587, 0.2604,
0.4554


51.7034, 0.3157,
0.3264

 37.6725, 0.2610,
0.4596

 54.7009, 0.3257,
0.3181

 58.0440, 0.3356,
0.3108

 61.7436, 0.3454,
0.3044

 62.8226, 0.3426,
0.2974

Harmonies

Analogous

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



41.4711, 0.3208, 0.4180



41.4711, 0.2712, 0.3829



41.4711, 0.2347, 0.3308

Triad

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



41.4711, 0.2712, 0.3829



41.4711, 0.2525, 0.2461



41.4711, 0.4168, 0.3604

Complementary

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



41.4711, 0.2712, 0.3829



21.6656, 0.3892, 0.2825

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.



41.4711, 0.3961, 0.3192



41.4711, 0.2712, 0.3829



41.4711, 0.2976, 0.2564

Square

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



41.4711, 0.2712, 0.3829



41.4711, 0.2249, 0.2547



41.4711, 0.3509, 0.2824



41.4711, 0.4065, 0.3982

Rectangle

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



41.4711, 0.2712, 0.3829



41.4711, 0.2215, 0.2979



41.4711, 0.3509, 0.2824



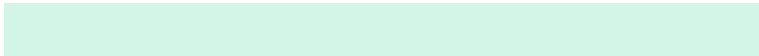
41.4711, 0.4133, 0.3466

Sweetspot

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



41.4728, 0.2712, 0.3829



84.7722, 0.2987, 0.3429



42.3957, 0.3321, 0.4638



18.0436, 0.2966, 0.3452



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.4728, 0.2712, 0.3829



72.1772, 0.2654, 0.3967



38.4746, 0.2480, 0.3130



10.7460, 0.3034, 0.3379



25.3633, 0.2605, 0.4578



1.0059, 0.2509, 0.4232

Inverse Universe

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



21.6656, 0.3892, 0.2825



32.5833, 0.4145, 0.2741



22.9843, 0.4323, 0.3437



9.5951, 0.3230, 0.3203



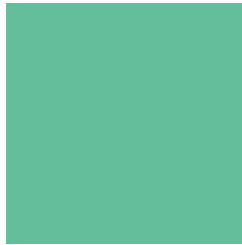
7.6102, 0.5421, 0.2760



0.3109, 0.4772, 0.2402

Previews

White Background



This preview shows how the Yxy color 41.4711, 0.2712, 0.3829 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 41.4711, 0.2712, 0.3829 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

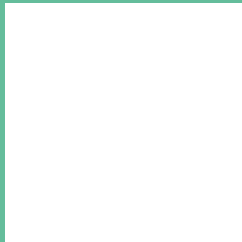
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.4711, 0.2712, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 41.4711, 0.2712, 0.3829.



This preview shows how white text looks on a background with the Yxy color 41.4711, 0.2712, 0.3829.

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

41.4711, 0.2712, 0.3829

Protanopia

40.9044, 0.3428, 0.3635

Deuteranopia

40.6548, 0.3430, 0.3357



Tritanopia

41.3889, 0.2507, 0.3070

Trichromacy



Original Color

41.4711, 0.2712, 0.3829

Protanomaly

40.5900, 0.3124, 0.3718

Deuteranomaly

40.1117, 0.3125, 0.3521

Tritanomaly

41.2635, 0.2583, 0.3334

Monochromacy



Original Color

41.4711, 0.2712, 0.3829

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.6213, 0.2943, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4711, 0.2712, 0.3829 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(100, 189, 155)` looks like.

```
.text, #text, p{  
    color:rgb(100, 189, 155)  
}
```

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(100, 189, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 189, 155) }
```

Border

The CSS property to change the border of an element to Yxy 41.4711, 0.2712, 0.3829 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(100, 189, 155) }
```

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

```
.border{ border-color:rgb(100, 189, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 189, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 189, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 189, 155);  
box-shadow:4px 4px 4px 4px rgb(100, 189,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4711, 0.2712, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 189, 155) }
```

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

```
.background{ background-color: rgb(100,  
189, 155) }
```

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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