

Converting Colors

Yxy(41.7381, 0.2986, 0.4394)

Have a look what the booklet for
Yxy(41.7381, 0.2986, 0.4394)
contains.

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Color

Yxy(41.9180, 0.2983, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	6DBF7A
RGB	109, 191, 122
RGB Percent	43%, 75%, 48%
CMY	0.5725, 0.2510, 0.5215
CMYK	0.43, 0.00, 0.36, 0.25
HSL	130°, 39%, 59%
HSV	130°, 43%, 75%
XYZ	28.4508, 41.9180, 25.0077
YIQ	158.6160, -26.7230, -38.8430

Conversions

Conversions Part 2

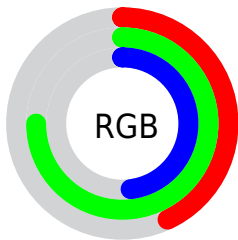
Format	Color
RYB	109, 180, 191
Decimal	7192442
CIELab	70.81, -39.73, 27.20
CIELCh	71, 48.149, 145.605
Yxy	41.9180, 0.2983, 0.4395
Android (android.graphics.Color)	4285382522 (0xFF6DBF7A)
YUV	158.6160, -18.0517, -43.5132
Hunter-Lab	64.7441, -34.8630, 22.4198

Details

The Yxy color **41.9180, 0.2983, 0.4395** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.2279, 0.3321, 0.2395**, and the grayscale version is **34.5808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1225, 0.3021, 0.4169**, and **19.1435, 0.2910, 0.4787** is the 20% darker color. If you saturate the color by 10%, you get **40.4711, 0.2958, 0.4706**, and if you desaturate by 10%, it is **43.6974, 0.3014, 0.4097**.

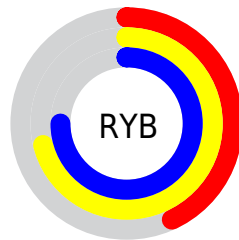
Distribution



Red (43%)

Green (75%)

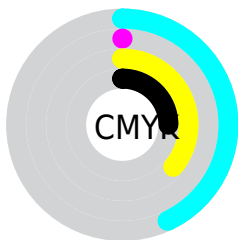
Blue (48%)



Red (43%)

Yellow (71%)

Blue (75%)

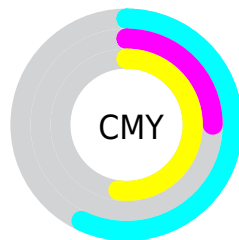


Cyan (43%)

Magenta (0%)

Yellow (36%)

Black (25%)



Cyan (57%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9180, 0.2983, 0.4395 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 41.9180, 0.2983, 0.4395 by changing the saturation by 10% instead.


 41.9180, 0.2983,
0.4395


 41.9180, 0.2983,
0.4395

354.1429, 0.3075,
0.3799


 29.0371, 0.2952,
0.4558


 78.0755, 0.3022,
0.4168


 19.1089, 0.2907,
0.4775


 102.1209, 0.3035,
0.4086

 11.7490, 0.2838,
0.5078


 130.6566, 0.3045,
0.4018

 6.5730, 0.2721,
0.5526

 164.0669, 0.3054,
0.3960

 3.1965, 0.2517,
0.6288

202.7363, 0.3060,
0.3911

 1.2352, 0.1197,
0.8803

247.0492, 0.3066,

 0.0902, 0.0000,

0.3869

1.0000

297.3899, 0.3071,
0.3832

■ 0.0000, 0.0000,
0.0000

■ 41.9180, 0.2983,
0.4395

■ 41.9180, 0.2983,
0.4395

■ 40.4711, 0.2958,
0.4706

■ 43.6974, 0.3014,
0.4097

■ 39.3311, 0.2940,
0.5016

■ 45.8228, 0.3047,
0.3821

■ 38.4770, 0.2933,
0.5308

■ 48.3133, 0.3082,
0.3571


■ 37.8826, 0.2937,
0.5562


■ 51.1848, 0.3117,
0.3350


■ 37.5173, 0.2951,
0.5761


■ 54.4527, 0.3151,
0.3155

 37.3584, 0.2963,
0.5865

 58.1312, 0.3183,
0.2986

 62.2339, 0.3213,
0.2840

 65.4608, 0.3189,
0.2703

 65.7431, 0.3157,
0.2663

Harmonies

Analogous

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



41.9180, 0.3655, 0.4566



41.9180, 0.2983, 0.4395



41.9180, 0.2385, 0.3788

Triad

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



41.9180, 0.2983, 0.4395



41.9180, 0.2082, 0.2257



41.9180, 0.4380, 0.3315

Complementary

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



41.9180, 0.2983, 0.4395



25.2279, 0.3321, 0.2395

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.



41.9180, 0.3860, 0.2828



41.9180, 0.2983, 0.4395



41.9180, 0.2509, 0.2244

Square

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



41.9180, 0.2983, 0.4395



41.9180, 0.1912, 0.2523



41.9180, 0.3151, 0.2449



41.9180, 0.4504, 0.3839

Rectangle

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



41.9180, 0.2983, 0.4395



41.9180, 0.2105, 0.3294



41.9180, 0.3151, 0.2449



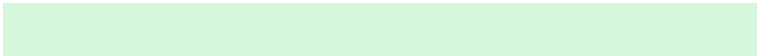
41.9180, 0.4244, 0.3145

Sweetspot

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



41.9197, 0.2983, 0.4395



86.3954, 0.3081, 0.3578



47.9155, 0.3647, 0.4378



18.7408, 0.3074, 0.3631



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.



41.9197, 0.2983, 0.4395



72.5067, 0.2958, 0.4703



43.1337, 0.2724, 0.3731



10.6737, 0.3095, 0.3489



24.5584, 0.2958, 0.5849



0.9699, 0.2850, 0.5461

Inverse Universe

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



25.2279, 0.3321, 0.2395



38.5094, 0.3378, 0.2209



23.8404, 0.3833, 0.2899



9.6696, 0.3161, 0.3099



8.9729, 0.3650, 0.1784



0.3586, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 41.9180, 0.2983, 0.4395 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 41.9180, 0.2983, 0.4395 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 41.9180, 0.2983, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 41.9180, 0.2983, 0.4395.



This preview shows how white text looks on a background with the Yxy color 41.9180, 0.2983, 0.4395.

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

41.9180, 0.2983, 0.4395

Protanopia

41.2847, 0.3774, 0.4070

Deuteranopia

41.1653, 0.3841, 0.3766



Tritanopia

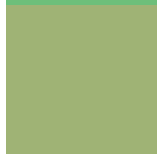
41.8471, 0.2590, 0.3074

Trichromacy



Original Color

41.9180, 0.2983, 0.4395



Protanomaly

40.8955, 0.3450, 0.4195



Deuteranomaly

40.2135, 0.3487, 0.3977



Tritanomaly

41.5221, 0.2728, 0.3516

Monochromacy



Original Color

41.9180, 0.2983, 0.4395



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.8639, 0.3065, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9180, 0.2983, 0.4395 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(109, 191, 122)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 122)  
}
```

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(109, 191, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 122) }
```

Border

The CSS property to change the border of an element to Yxy 41.9180, 0.2983, 0.4395 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(109, 191, 122) }
```

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

```
.border{ border-color:rgb(109, 191, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 191, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 191, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 191, 122);  
box-shadow:4px 4px 4px 4px rgb(109, 191,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9180, 0.2983, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 122) }
```

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

```
.background{ background-color: rgb(109,  
191, 122) }
```

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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