

Converting Colors

$Yxy(41.5522, 0.2903, 0.3929)$

Have a look what the booklet for
Yxy(41.5522, 0.2903, 0.3929)
contains.

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Color

Yxy(41.6090, 0.2899, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	78BB92
RGB	120, 187, 146
RGB Percent	47%, 73%, 57%
CMY	0.5293, 0.2667, 0.4274
CMYK	0.36, 0.00, 0.22, 0.27
HSL	143°, 33%, 60%
HSV	143°, 36%, 73%
XYZ	30.7089, 41.6090, 33.6113
YIQ	162.2930, -26.7710, -26.9550

Conversions

Conversions Part 2

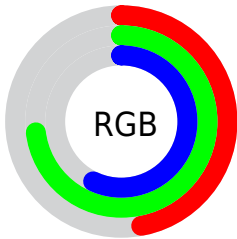
Format	Color
RYB	120, 168, 187
Decimal	7912338
CIELab	70.60, -30.19, 14.14
CIELCh	71, 33.334, 154.894
Yxy	41.6090, 0.2899, 0.3928
Android (android.graphics.Color)	4286102418 (0xFF78BB92)
YUV	162.2930, -8.0324, -37.0910
Hunter-Lab	64.5050, -27.9054, 14.2596

Details

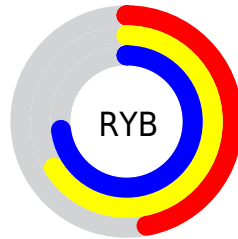
The Yxy color **41.6090, 0.2899, 0.3928** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.5807, 0.3458, 0.2731**, and the grayscale version is **36.3285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8702, 0.2944, 0.3806**, and **18.8302, 0.2824, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **40.0626, 0.2848, 0.4146**, and if you desaturate by 10%, it is **43.4557, 0.2958, 0.3726**.

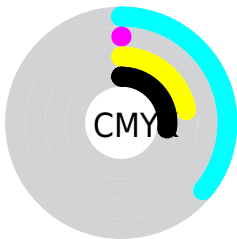
Distribution



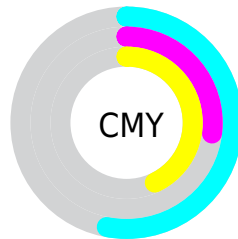
- Red (47%)
- Green (73%)
- Blue (57%)



- Red (47%)
- Yellow (66%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)



- Cyan (53%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6090, 0.2899, 0.3928 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 41.6090, 0.2899, 0.3928 by changing the saturation by 10% instead.


 41.6090, 0.2899,
0.3928


 41.6090, 0.2899,
0.3928


352.8595, 0.3022,
0.3590

 28.7953, 0.2865,
0.4019


 77.6075, 0.2946,
0.3800

 18.9260, 0.2820,
0.4141


 101.5611, 0.2963,
0.3754

 11.6168, 0.2756,
0.4310


 129.9967, 0.2977,
0.3715

 6.4833, 0.2660,
0.4562

163.2988, 0.2989,
0.3682

 3.1411, 0.2499,
0.4972

201.8517, 0.2999,
0.3654

 1.2059, 0.2021,
0.6437

246.0399, 0.3007,

 0.0665, 0.0000,

0.3630

1.0000

296.2477, 0.3015,
0.3608

0.0000, 0.0000,
0.0000

41.6090, 0.2899,
0.3928

41.6090, 0.2899,
0.3928

40.0626, 0.2848,
0.4146

43.4557, 0.2958,
0.3726

38.7949, 0.2808,
0.4377

45.6124, 0.3022,
0.3542

37.7897, 0.2782,
0.4614


48.0949, 0.3088,
0.3377


37.0270, 0.2773,
0.4850


50.9164, 0.3155,
0.3231

36.4836, 0.2783,
0.5076

54.0891, 0.3221,
0.3102


 36.1303, 0.2810,
0.5283

 57.6249, 0.3285,
0.2988

 36.0141, 0.2823,
0.5364

 61.5349, 0.3347,
0.2889

 62.9475, 0.3289,
0.2784

 63.6403, 0.3202,
0.2678

Harmonies

Analogous

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



41.6090, 0.3376, 0.4157



41.6090, 0.2899, 0.3928



41.6090, 0.2503, 0.3483

Triad

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



41.6090, 0.2899, 0.3928



41.6090, 0.2455, 0.2524



41.6090, 0.4055, 0.3451

Complementary

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



41.6090, 0.2899, 0.3928



26.5807, 0.3458, 0.2731

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.



41.6090, 0.3771, 0.3072



41.6090, 0.2899, 0.3928



41.6090, 0.2825, 0.2560

Square

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



41.6090, 0.2899, 0.3928



41.6090, 0.2264, 0.2675



41.6090, 0.3308, 0.2756



41.6090, 0.4063, 0.3823

Rectangle

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



41.6090, 0.2899, 0.3928



41.6090, 0.2332, 0.3161



41.6090, 0.3308, 0.2756



41.6090, 0.3988, 0.3322

Sweetspot

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



41.6107, 0.2899, 0.3928



83.6793, 0.3052, 0.3464



44.5075, 0.3424, 0.4242



18.2963, 0.3043, 0.3486



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.



41.6107, 0.2899, 0.3928



72.2976, 0.2858, 0.4099



42.7972, 0.2679, 0.3405



10.7093, 0.3065, 0.3434



24.8283, 0.2817, 0.5341



0.9854, 0.2678, 0.4841

Inverse Universe

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



26.5807, 0.3458, 0.2731



41.3790, 0.3559, 0.2609



25.5613, 0.3872, 0.3182



9.6318, 0.3195, 0.3150



8.1381, 0.4472, 0.2237



0.3312, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 41.6090, 0.2899, 0.3928 looks on a white background.

Color Contrast Check

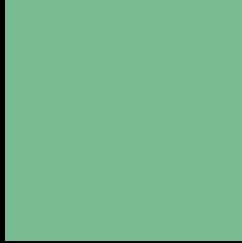
Large Text (above 18pt) WCAG AA × Fail

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 41.6090, 0.2899, 0.3928 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 41.6090, 0.2899, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 41.6090, 0.2899, 0.3928.



This preview shows how white text looks on a background with the Yxy color 41.6090, 0.2899, 0.3928.

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

41.6090, 0.2899, 0.3928

Protanopia

41.3142, 0.3506, 0.3743

Deuteranopia

41.2426, 0.3551, 0.3488



Tritanopia

41.3285, 0.2631, 0.3074

Trichromacy



Original Color

41.6090, 0.2899, 0.3928

Protanomaly

40.7682, 0.3253, 0.3800

Deuteranomaly

40.7669, 0.3282, 0.3645

Tritanomaly

41.4769, 0.2726, 0.3378

Monochromacy



Original Color

41.6090, 0.2899, 0.3928

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7292, 0.3037, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6090, 0.2899, 0.3928 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, 187, 146)` looks like.

```
.text, #text, p{  
    color:rgb(120, 187, 146)  
}
```

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, 187, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 187, 146) }
```

Border

The CSS property to change the border of an element to Yxy 41.6090, 0.2899, 0.3928 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, 187, 146) }
```

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

```
.border{ border-color:rgb(120, 187, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 187, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 187, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 187, 146);  
box-shadow:4px 4px 4px 4px rgb(120, 187,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6090, 0.2899, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 187, 146) }
```

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

```
.background{ background-color: rgb(120,  
187, 146) }
```

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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