

Converting Colors

$Yxy(41.7470, 0.2896, 0.3922)$

Have a look what the booklet for
Yxy(41.7470, 0.2896, 0.3922)
contains.

Yxy(41.6403, 0.2892, 0.3912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.6403, 0.2892, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	78BB93
RGB	120, 187, 147
RGB Percent	47%, 73%, 58%
CMY	0.5294, 0.2667, 0.4235
CMYK	0.36, 0.00, 0.21, 0.27
HSL	144°, 33%, 60%
HSV	144°, 36%, 73%
XYZ	30.7832, 41.6403, 34.0190
YIQ	162.4070, -27.0920, -26.6440

Conversions

Conversions Part 2

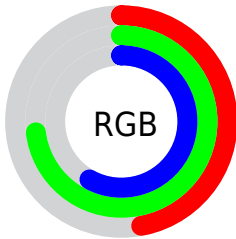
Format	Color
RYB	120, 168, 187
Decimal	7912339
CIELab	70.62, -30.00, 13.64
CIElCh	71, 32.956, 155.557
Yxy	41.6403, 0.2892, 0.3912
Android (android.graphics.Color)	4286102419 (0xFF78BB93)
YUV	162.4070, -7.5957, -37.1909
Hunter-Lab	64.5293, -27.7743, 13.9136

Details

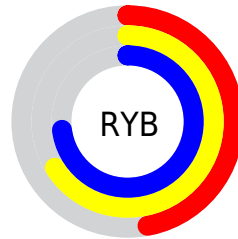
The Yxy color **41.6403, 0.2892, 0.3912** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.5382, 0.3470, 0.2744**, and the grayscale version is **36.3795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9171, 0.2938, 0.3794**, and **18.8485, 0.2815, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **40.0992, 0.2839, 0.4125**, and if you desaturate by 10%, it is **43.4800, 0.2953, 0.3715**.

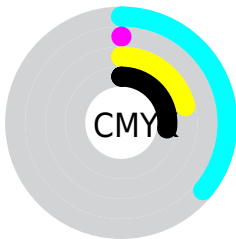
Distribution



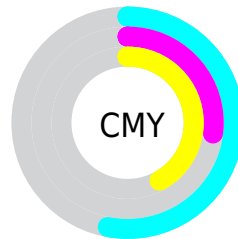
- Red (47%)
- Green (73%)
- Blue (58%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6403, 0.2892, 0.3912 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 41.6403, 0.2892, 0.3912 by changing the saturation by 10% instead.

 41.6403, 0.2892,
0.3912


 41.6403, 0.2892,
0.3912


352.9897, 0.3018,
0.3582


 28.8197, 0.2858,
0.4001


 77.6549, 0.2940,
0.3788

 18.9445, 0.2812,
0.4119


 101.6178, 0.2957,
0.3742

 11.6302, 0.2747,
0.4283


 130.0636, 0.2972,
0.3704

 6.4924, 0.2650,
0.4528

163.3766, 0.2984,
0.3673

 3.1467, 0.2488,
0.4927

201.9414, 0.2994,
0.3645

 1.2088, 0.2006,
0.6292

246.1422, 0.3003,

 0.0689, 0.0000,

0.3621

1.0000

296.3635, 0.3011,
0.3601

0.0000, 0.0000,
0.0000

41.6403, 0.2892,
0.3912

41.6403, 0.2892,
0.3912

40.0992, 0.2839,
0.4125

43.4800, 0.2953,
0.3715

38.8352, 0.2798,
0.4349

45.6281, 0.3019,
0.3536

37.8323, 0.2771,
0.4581


48.1001, 0.3087,
0.3375

37.0704, 0.2762,
0.4812

50.9092, 0.3156,
0.3232

36.5265, 0.2771,
0.5034

54.0677, 0.3224,
0.3106

 36.1715, 0.2798,
0.5239

 57.5873, 0.3290,
0.2996

 36.0546, 0.2811,
0.5319

 61.4791, 0.3354,
0.2899

 62.8767, 0.3299,
0.2796

 63.5474, 0.3214,
0.2692

Harmonies

Analogous

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



41.6403, 0.3363, 0.4144



41.6403, 0.2892, 0.3912



41.6403, 0.2503, 0.3470

Triad

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



41.6403, 0.2892, 0.3912



41.6403, 0.2468, 0.2531



41.6403, 0.4047, 0.3458

Complementary

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



41.6403, 0.2892, 0.3912



26.5382, 0.3470, 0.2744

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.



41.6403, 0.3772, 0.3082



41.6403, 0.2892, 0.3912



41.6403, 0.2838, 0.2570

Square

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



41.6403, 0.2892, 0.3912



41.6403, 0.2276, 0.2677



41.6403, 0.3317, 0.2767



41.6403, 0.4049, 0.3825

Rectangle

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



41.6403, 0.2892, 0.3912



41.6403, 0.2337, 0.3153



41.6403, 0.3317, 0.2767



41.6403, 0.3983, 0.3330

Sweetspot

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



41.6420, 0.2892, 0.3912



83.7013, 0.3050, 0.3459



44.3927, 0.3415, 0.4246



18.3017, 0.3041, 0.3481



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.



41.6420, 0.2892, 0.3912



72.3611, 0.2850, 0.4078



42.8430, 0.2672, 0.3388



10.7116, 0.3063, 0.3430



24.8547, 0.2805, 0.5297



0.9866, 0.2667, 0.4802

Inverse Universe

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



26.5382, 0.3470, 0.2744



41.3052, 0.3575, 0.2624



25.5245, 0.3887, 0.3198



9.6294, 0.3198, 0.3154



8.0945, 0.4533, 0.2271



0.3297, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 41.6403, 0.2892, 0.3912 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 41.6403, 0.2892, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

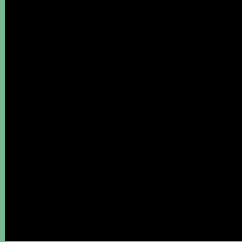
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6403, 0.2892, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 41.6403, 0.2892, 0.3912.



This preview shows how white text looks on a background with the Yxy color 41.6403, 0.2892, 0.3912.

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

41.6403, 0.2892, 0.3912

Protanopia

41.3436, 0.3498, 0.3729

Deuteranopia

41.2752, 0.3541, 0.3474



Tritanopia

41.7337, 0.2633, 0.3089

Trichromacy



Original Color

41.6403, 0.2892, 0.3912

Protanomaly

40.7984, 0.3245, 0.3785

Deuteranomaly

40.7989, 0.3274, 0.3630

Tritanomaly

41.5169, 0.2720, 0.3363

Monochromacy



Original Color

41.6403, 0.2892, 0.3912

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7632, 0.3029, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6403, 0.2892, 0.3912 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(120, 187, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 187, 147) }
```

Border

The CSS property to change the border of an element to Yxy 41.6403, 0.2892, 0.3912 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, 147) }
```

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

```
.border{ border-color:rgb(120, 187, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 187, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 187, 147); box-shadow:4px 4px 4px 4px rgb(120, 187, 147) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6403, 0.2892, 0.3912 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, 147) }
```

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

```
.background{ background-color: rgb(120,  
187, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor