

Converting Colors

$Y_{xy}(29.5855, 0.3825, 0.4629)$

Have a look what the booklet for
Yxy(29.5855, 0.3825, 0.4629)
contains.

Yxy(29.6395, 0.3821, 0.4632)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6395, 0.3821, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	929A44
RGB	146, 154, 68
RGB Percent	57%, 60%, 27%
CMY	0.4275, 0.3960, 0.7334
CMYK	0.05, 0.00, 0.56, 0.40
HSL	66°, 39%, 44%
HSV	66°, 56%, 60%
XYZ	24.4500, 29.6395, 9.8990
YIQ	141.8040, 22.8380, -28.4420

Conversions

Conversions Part 2

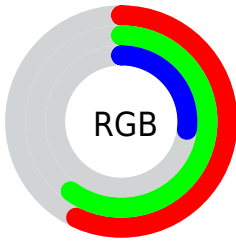
Format	Color
RYB	68, 154, 76
Decimal	9607748
CIELab	61.34, -15.38, 43.42
CIELCh	61, 46.060, 109.503
Yxy	29.6395, 0.3821, 0.4632
Android (android.graphics.Color)	4287797828 (0xFF929A44)
YUV	141.8040, -36.3854, 3.6799
Hunter-Lab	54.4422, -15.1093, 27.3290

Details

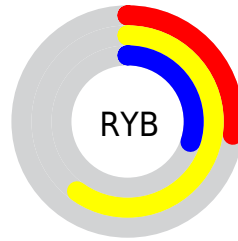
The Yxy color **29.6395, 0.3821, 0.4632** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.0036, 0.2158, 0.1587**, and the grayscale version is **27.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0002, 0.3710, 0.4356**, and **12.0651, 0.3967, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **29.3460, 0.3908, 0.4822**, and if you desaturate by 10%, it is **29.9868, 0.3715, 0.4413**.

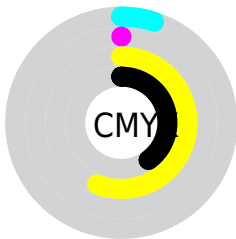
Distribution



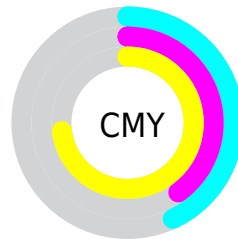
- Red (57%)
- Green (60%)
- Blue (27%)



- Red (27%)
- Yellow (60%)
- Blue (30%)



- Cyan (5%)
- Magenta (0%)
- Yellow (56%)
- Black (40%)





- Cyan (43%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6395, 0.3821, 0.4632 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 29.6395, 0.3821, 0.4632 by changing the saturation by 10% instead.

 29.6395, 0.3821,
0.4632


 29.6395, 0.3821,
0.4632

300.2205, 0.3482,
0.3909


 19.5651, 0.3891,
0.4821


 59.0916, 0.3705,
0.4361


 12.0793, 0.3967,
0.5061


 79.2381, 0.3659,
0.4261

 6.7977, 0.4038,
0.5375


 103.5108, 0.3619,
0.4177

 3.3359, 0.4129,
0.5871

 132.2940, 0.3584,
0.4107

 1.3095, 0.3845,
0.6155

 165.9722, 0.3554,
0.4046

 0.1486, 0.0000,
1.0000

204.9297, 0.3527,

 0.0000, 0.0000,

0.3994

0.0000

249.5510, 0.3504,
0.3949

■ 29.6395, 0.3821,
0.4632

■ 29.6395, 0.3821,
0.4632

■ 29.3460, 0.3908,
0.4822

■ 29.9868, 0.3715,
0.4413

■ 29.0982, 0.3973,
0.4974

■ 30.3873, 0.3595,
0.4174

■ 28.8929, 0.4013,
0.5085

■ 30.8456, 0.3466,
0.3925

■ 28.7238, 0.4029,
0.5156

■ 31.3647, 0.3334,
0.3675

■ 28.6581, 0.4033,
0.5180

■ 31.9474, 0.3203,
0.3429

■ 32.5961, 0.3075,
0.3194

■ 33.3133, 0.2953,
0.2973

■ 34.1014, 0.2839,
0.2767

■ 34.9626, 0.2733,
0.2579

Harmonies

Analogous

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



29.6395, 0.4381, 0.4278



29.6395, 0.3821, 0.4632



29.6395, 0.3112, 0.4567

Triad

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



29.6395, 0.3821, 0.4632



29.6395, 0.1834, 0.2558



29.6395, 0.3764, 0.2702

Complementary

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



29.6395, 0.3821, 0.4632



8.0036, 0.2158, 0.1587

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.



29.6395, 0.2996, 0.2336



29.6395, 0.3821, 0.4632



29.6395, 0.1957, 0.2223

Square

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



29.6395, 0.3821, 0.4632



29.6395, 0.1994, 0.3189



29.6395, 0.2353, 0.2162



29.6395, 0.4390, 0.3199

Rectangle

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



29.6395, 0.3821, 0.4632



29.6395, 0.2650, 0.4225



29.6395, 0.2353, 0.2162



29.6395, 0.3508, 0.2562

Sweetspot

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



29.6409, 0.3821, 0.4632



56.8211, 0.3354, 0.3712



12.3418, 0.4668, 0.3409



12.8206, 0.3378, 0.3758



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.6409, 0.3821, 0.4632



53.1820, 0.3927, 0.4863



26.4647, 0.3364, 0.4868



7.1936, 0.3247, 0.3511



23.3534, 0.4034, 0.5179



0.3565, 0.4110, 0.5119

Inverse Universe

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



8.0036, 0.2158, 0.1587



9.8565, 0.1921, 0.1198



10.3297, 0.2678, 0.1797



6.0525, 0.3002, 0.3061



1.9871, 0.1540, 0.0622



0.0361, 0.1730, 0.0727

Previews

White Background



This preview shows how the Yxy color 29.6395, 0.3821, 0.4632 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6395, 0.3821, 0.4632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

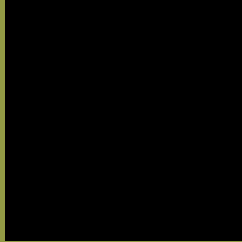
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6395, 0.3821, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 29.6395, 0.3821, 0.4632.



This preview shows how white text looks on a background with the Yxy color 29.6395, 0.3821, 0.4632.

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

29.6395, 0.3821, 0.4632

Protanopia

29.4657, 0.4087, 0.4480

Deuteranopia

29.4627, 0.4303, 0.4228



Tritanopia

29.6197, 0.3125, 0.3122

Trichromacy



Original Color

29.6395, 0.3821, 0.4632

Protanomaly

29.3860, 0.3983, 0.4533

Deuteranomaly

29.4477, 0.4121, 0.4369

Tritanomaly

29.3104, 0.3406, 0.3674

Monochromacy



Original Color

29.6395, 0.3821, 0.4632

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.6352, 0.3403, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6395, 0.3821, 0.4632 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(146, 154, 68)` looks like.

```
.text, #text, p{  
    color:rgb(146, 154, 68)  
}
```

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(146, 154, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 154, 68) }
```

Border

The CSS property to change the border of an element to Yxy 29.6395, 0.3821, 0.4632 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(146, 154, 68) }
```

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

```
.border{ border-color:rgb(146, 154, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 154, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 154, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 154, 68);  
box-shadow:4px 4px 4px 4px rgb(146, 154,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6395, 0.3821, 0.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 154, 68) }
```

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

```
.background{ background-color: rgb(146,  
154, 68) }
```

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