

Converting Colors

$Y_{xy}(28.7329, 0.4028, 0.4825)$

Have a look what the booklet for
Yxy(28.7329, 0.4028, 0.4825)
contains.

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Color

Yxy(28.7200, 0.4023, 0.4824)

Conversions

Conversions Part 1

Format	Color
Hex	95972E
RGB	149, 151, 46
RGB Percent	58%, 59%, 18%
CMY	0.4158, 0.4078, 0.8196
CMYK	0.01, 0.00, 0.70, 0.41
HSL	61°, 53%, 39%
HSV	61°, 70%, 59%
XYZ	23.9512, 28.7200, 6.8645
YIQ	138.4320, 32.5130, -33.0790

Conversions

Conversions Part 2

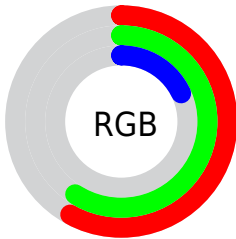
Format	Color
RYB	46, 151, 48
Decimal	9803566
CIELab	60.53, -14.07, 52.35
CIELCh	61, 54.213, 105.044
Yxy	28.7200, 0.4023, 0.4824
Android (android.graphics.Color)	4287993646 (0xFF95972E)
YUV	138.4320, -45.5690, 9.2681
Hunter-Lab	53.5910, -14.0082, 29.9193

Details

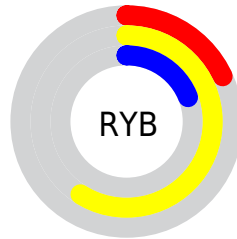
The Yxy color **28.7200, 0.4023, 0.4824** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.8167, 0.1836, 0.1136**, and the grayscale version is **25.7571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6853, 0.3884, 0.4523**, and **11.5472, 0.4111, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **28.5951, 0.4091, 0.4947**, and if you desaturate by 10%, it is **28.8896, 0.3931, 0.4662**.

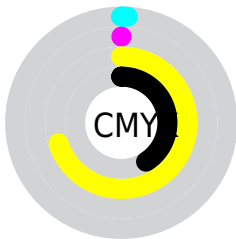
Distribution



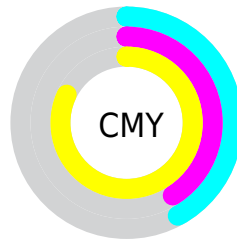
- Red (58%)
- Green (59%)
- Blue (18%)



- Red (18%)
- Yellow (59%)
- Blue (19%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (41%)




- Cyan (42%)
- Magenta (41%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7200, 0.4023, 0.4824 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 28.7200, 0.4023, 0.4824 by changing the saturation by 10% instead.


 28.7200, 0.4023,
0.4824


 28.7200, 0.4023,
0.4824


295.8915, 0.3596,
0.4015

 18.8691, 0.4103,
0.5020


 57.6319, 0.3883,
0.4529


 11.5757, 0.4178,
0.5255


 77.4617, 0.3824,
0.4418


 6.4555, 0.4324,
0.5658


 101.3867, 0.3773,
0.4323

 3.1240, 0.4178,
0.5822

 129.7911, 0.3729,
0.4243

 1.1968, 0.3899,
0.6101

 163.0594, 0.3689,
0.4174

 0.0591, 0.0000,
1.0000

 201.5760, 0.3654,

 0.0000, 0.0000,

0.4114

0.0000

245.7252, 0.3623,
0.4061

■ 28.7200, 0.4023,
0.4824

■ 28.7200, 0.4023,
0.4824

■ 28.5951, 0.4091,
0.4947

■ 28.8896, 0.3931,
0.4662

■ 28.5061, 0.4135,
0.5028

■ 29.1037, 0.3818,
0.4467

■ 28.4436, 0.4159,
0.5077

■ 29.3673, 0.3689,
0.4245

■ 28.4408, 0.4160,
0.5079

■ 29.6834, 0.3550,
0.4008

■ 30.0550, 0.3406,
0.3763

■ 30.4848, 0.3262,
0.3518

■ 30.9752, 0.3121,
0.3279

■ 31.5286, 0.2986,
0.3052

■ 32.1474, 0.2860,
0.2839

Harmonies

Analogous

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



28.7200, 0.4650, 0.4319



28.7200, 0.4023, 0.4824



28.7200, 0.3207, 0.4890

Triad

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



28.7200, 0.4023, 0.4824



28.7200, 0.1642, 0.2501



28.7200, 0.3742, 0.2530

Complementary

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



28.7200, 0.4023, 0.4824



4.8167, 0.1836, 0.1136

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.



28.7200, 0.2837, 0.2145



28.7200, 0.4023, 0.4824



28.7200, 0.1738, 0.2082

Square

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



28.7200, 0.4023, 0.4824



28.7200, 0.1861, 0.3288



28.7200, 0.2136, 0.1982



28.7200, 0.4543, 0.3072

Rectangle

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



28.7200, 0.4023, 0.4824



28.7200, 0.2662, 0.4544



28.7200, 0.2136, 0.1982



28.7200, 0.3432, 0.2381

Sweetspot

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



28.7213, 0.4023, 0.4824



53.6843, 0.3433, 0.3809



8.8702, 0.5354, 0.3320



12.1625, 0.3470, 0.3871



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.7213, 0.4023, 0.4824



51.1134, 0.4117, 0.4993



24.8614, 0.3442, 0.5197



7.2168, 0.3257, 0.3510



24.1932, 0.4160, 0.5079



0.3633, 0.4176, 0.5066

Inverse Universe

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



4.8167, 0.1836, 0.1136



5.4951, 0.1622, 0.0788



6.9115, 0.2430, 0.1418



6.0317, 0.2991, 0.3060



1.9183, 0.1508, 0.0605



0.0300, 0.1550, 0.0627

Previews

White Background



This preview shows how the Yxy color 28.7200, 0.4023, 0.4824 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 28.7200, 0.4023, 0.4824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

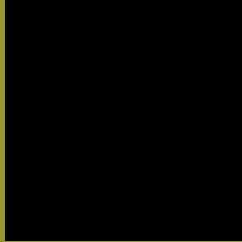
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7200, 0.4023, 0.4824

Background



This preview shows how black text looks on a background with the Yxy color 28.7200, 0.4023, 0.4824.



This preview shows how white text looks on a background with the Yxy color 28.7200, 0.4023, 0.4824.

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

28.7200, 0.4023, 0.4824

Protanopia

28.5338, 0.4238, 0.4676

Deuteranopia

28.6493, 0.4487, 0.4415



Tritanopia

28.5859, 0.3199, 0.3122

Trichromacy



Original Color

28.7200, 0.4023, 0.4824

Protanomaly

28.6384, 0.4160, 0.4735

Deuteranomaly

28.4127, 0.4324, 0.4558

Tritanomaly

28.4116, 0.3562, 0.3801

Monochromacy



Original Color

28.7200, 0.4023, 0.4824

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4156, 0.3503, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7200, 0.4023, 0.4824 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(149, 151, 46)` looks like.

```
.text, #text, p{  
    color:rgb(149, 151, 46)  
}
```

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(149, 151, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 151, 46) }
```

Border

The CSS property to change the border of an element to Yxy 28.7200, 0.4023, 0.4824 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(149, 151, 46) }
```

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

```
.border{ border-color:rgb(149, 151, 46) }
```

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

Here you see how a box with a 4 pixel rgb(149, 151, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 151, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 151, 46);  
box-shadow:4px 4px 4px 4px rgb(149, 151,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7200, 0.4023, 0.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 151, 46) }
```

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

```
.background{ background-color: rgb(149,  
151, 46) }
```

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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