

Converting Colors

$Y_{xy}(24.9331, 0.4640, 0.4413)$

Have a look what the booklet for
Yxy(24.9331, 0.4640, 0.4413)
contains.

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Color

Yxy(24.9319, 0.4640, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	B18027
RGB	177, 128, 39
RGB Percent	69%, 50%, 15%
CMY	0.3059, 0.4980, 0.8470
CMYK	0.00, 0.28, 0.78, 0.31
HSL	39°, 64%, 42%
HSV	39°, 78%, 69%
XYZ	26.2144, 24.9319, 5.3502
YIQ	132.5050, 57.7730, -17.2910

Conversions

Conversions Part 2

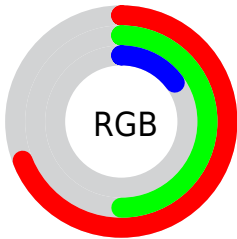
Format	Color
R_{YB}	115, 177, 39
Decimal	11632679
CIE _{Lab}	57.01, 10.77, 52.62
CIE _{LCh}	57, 53.714, 78.433
Yxy	24.9319, 0.4640, 0.4413
Android (android.graphics.Color)	4289822759 (0xFFB18027)
YUV	132.5050, -46.0980, 39.0221
Hunter-Lab	49.9319, 6.3323, 28.5994

Details

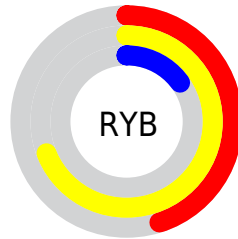
The Yxy color **24.9319, 0.4640, 0.4413** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.5809, 0.1862, 0.1607**, and the grayscale version is **23.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6359, 0.4355, 0.4243**, and **9.5850, 0.4921, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **23.2534, 0.4814, 0.4444**, and if you desaturate by 10%, it is **26.7691, 0.4441, 0.4335**.

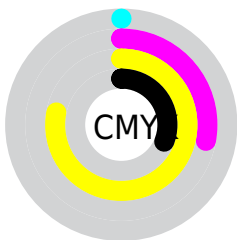
Distribution



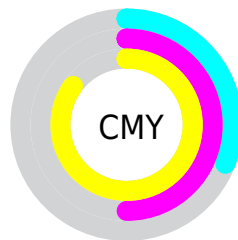
- Red (69%)
- Green (50%)
- Blue (15%)



- Red (45%)
- Yellow (69%)
- Blue (15%)



- Cyan (0%)
- Magenta (28%)
- Yellow (78%)
- Black (31%)





- Cyan (31%)
- Magenta (50%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9319, 0.4640, 0.4413 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 24.9319, 0.4640, 0.4413 by changing the saturation by 10% instead.


 24.9319, 0.4640,
0.4413


 24.9319, 0.4640,
0.4413


277.4986, 0.3857,
0.3877


 16.0263, 0.4817,
0.4510


 51.5467, 0.4362,
0.4238

 9.5428, 0.5022,
0.4601


 70.0248, 0.4254,
0.4165


 5.0969, 0.5296,
0.4704

 92.4624, 0.4162,
0.4101

 2.3042, 0.5419,
0.4581

 119.2441, 0.4083,
0.4045

 0.7759, 0.5657,
0.4343

 150.7541, 0.4015,
0.3995

 0.0000, 0.0000,
0.0000

 187.3770, 0.3956,

0.3951

229.4970, 0.3903,
0.3912

■ 24.9319, 0.4640,
0.4413

■ 24.9319, 0.4640,
0.4413

■ 23.2534, 0.4814,
0.4444

■ 26.7691, 0.4441,
0.4335

■ 21.7171, 0.4959,
0.4427

■ 28.7698, 0.4229,
0.4219

■ 21.4178, 0.4988,
0.4421

■ 30.9426, 0.4014,
0.4075

■ 33.2945, 0.3803,
0.3914

■ 35.8316, 0.3603,
0.3746

■ 38.5598, 0.3418,
0.3578

■ 41.4846, 0.3250,
0.3415

■ 44.6112, 0.3098,
0.3259

■ 47.9445, 0.2962,
0.3113

Harmonies

Analogous

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



24.9319, 0.4939, 0.3767



24.9319, 0.4640, 0.4413



24.9319, 0.3956, 0.4916

Triad

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



24.9319, 0.4640, 0.4413



24.9319, 0.1775, 0.3173



24.9319, 0.2923, 0.2144

Complementary

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



24.9319, 0.4640, 0.4413



10.5809, 0.1862, 0.1607

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.



24.9319, 0.2169, 0.1949



24.9319, 0.4640, 0.4413



24.9319, 0.1592, 0.2402

Square

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



24.9319, 0.4640, 0.4413



24.9319, 0.2305, 0.4199



24.9319, 0.1726, 0.2016



24.9319, 0.3871, 0.2561

Rectangle

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



24.9319, 0.4640, 0.4413



24.9319, 0.3394, 0.5000



24.9319, 0.1726, 0.2016



24.9319, 0.2640, 0.2052

Sweetspot

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



24.9331, 0.4640, 0.4413



66.3752, 0.3517, 0.3669



11.5280, 0.4818, 0.2685



14.0161, 0.3583, 0.3729



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.9331, 0.4640, 0.4413



39.5314, 0.4926, 0.4433



38.9136, 0.3933, 0.5050



9.3890, 0.3272, 0.3437



15.6385, 0.4977, 0.4430



0.5971, 0.4708, 0.4644

Inverse Universe

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



10.5809, 0.1862, 0.1607



13.1463, 0.1685, 0.1225



5.5067, 0.1789, 0.0950



8.7073, 0.2985, 0.3139



4.9666, 0.1656, 0.1161



0.2688, 0.1820, 0.1753

Previews

White Background



This preview shows how the Yxy color 24.9319, 0.4640, 0.4413 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 24.9319, 0.4640, 0.4413 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 24.9319, 0.4640, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 24.9319, 0.4640, 0.4413.



This preview shows how white text looks on a background with the Yxy color 24.9319, 0.4640, 0.4413.

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

24.9319, 0.4640, 0.4413

Protanopia

24.9214, 0.4253, 0.4675

Deuteranopia

24.8759, 0.4565, 0.4480



Tritanopia

25.0852, 0.3809, 0.3163

Trichromacy



Original Color

24.9319, 0.4640, 0.4413

Protanomaly

24.8848, 0.4389, 0.4587

Deuteranomaly

24.8391, 0.4600, 0.4454

Tritanomaly

24.8342, 0.4188, 0.3682

Monochromacy



Original Color

24.9319, 0.4640, 0.4413

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5230, 0.3705, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9319, 0.4640, 0.4413 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(177, 128, 39)` looks like.

```
.text, #text, p{  
    color:rgb(177, 128, 39)  
}
```

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(177, 128, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 128, 39) }
```

Border

The CSS property to change the border of an element to Yxy 24.9319, 0.4640, 0.4413 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(177, 128, 39) }
```

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

```
.border{ border-color:rgb(177, 128, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 128, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 128, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 128, 39);  
box-shadow:4px 4px 4px 4px rgb(177, 128,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9319, 0.4640, 0.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 128, 39) }
```

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

```
.background{ background-color: rgb(177,  
128, 39) }
```

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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