

Converting Colors

$Y_{xy}(16.0195, 0.3371, 0.5017)$

Have a look what the booklet for
Yxy(16.0195, 0.3371, 0.5017)
contains.

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Color

$Yxy(15.9829, 0.3370, 0.5025)$

Conversions

Conversions Part 1

Format	Color
Hex	4E7B2E
RGB	78, 123, 46
RGB Percent	31%, 48%, 18%
CMY	0.6941, 0.5176, 0.8196
CMYK	0.37, 0.00, 0.63, 0.52
HSL	95°, 46%, 33%
HSV	95°, 63%, 48%
XYZ	10.7189, 15.9829, 5.1050
YIQ	100.7670, -2.1030, -33.4870

Conversions

Conversions Part 2

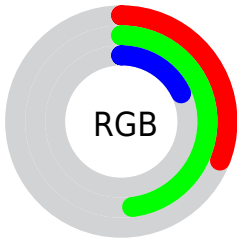
Format	Color
R_{YB}	46, 123, 91
Decimal	5143342
CIE Lab	46.95, -29.78, 36.42
CIE LCh	47, 47.043, 129.269
Yxy	15.9829, 0.3370, 0.5025
Android (android.graphics.Color)	4283333422 (0xFF4E7B2E)
YUV	100.7670, -27.0001, -19.9667
Hunter-Lab	39.9786, -22.1040, 20.4141

Details

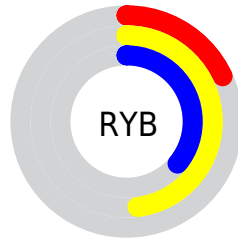
The Yxy color **15.9829, 0.3370, 0.5025** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.6080, 0.2621, 0.1658**, and the grayscale version is **13.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6227, 0.3354, 0.4583**, and **5.1306, 0.3271, 0.5785** is the 20% darker color. If you saturate the color by 10%, you get **15.6129, 0.3369, 0.5284**, and if you desaturate by 10%, it is **16.4153, 0.3355, 0.4740**.

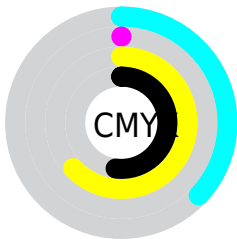
Distribution



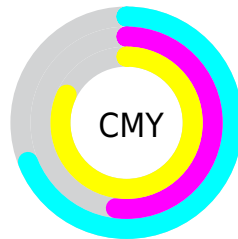
- Red (31%)
- Green (48%)
- Blue (18%)



- Red (18%)
- Yellow (48%)
- Blue (36%)



- Cyan (37%)
- Magenta (0%)
- Yellow (63%)
- Black (52%)





- Cyan (69%)
- Magenta (52%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9829, 0.3370, 0.5025 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 15.9829, 0.3370, 0.5025 by changing the saturation by 10% instead.


 15.9829, 0.3370,
0.5025


 15.9829, 0.3370,
0.5025


229.2408, 0.3277,
0.3961

 9.5121, 0.3357,
0.5372


 36.5685, 0.3354,
0.4581

 5.0767, 0.3304,
0.5882

 51.4521, 0.3341,
0.4432

 2.2923, 0.3194,
0.6806

 69.9087, 0.3329,
0.4313

 0.7696, 0.0060,
0.9940

 92.3227, 0.3316,
0.4217

 0.0000, 0.0000,
0.0000

 119.0785, 0.3305,
0.4136

 150.5605, 0.3295,

0.4069

187.1532, 0.3286,
0.4011

■ 15.9829, 0.3370,
0.5025

■ 15.9829, 0.3370,
0.5025

■ 15.6129, 0.3369,
0.5284

■ 16.4153, 0.3355,
0.4740

■ 15.2997, 0.3350,
0.5503

■ 16.9112, 0.3326,
0.4443

■ 15.0399, 0.3313,
0.5669

■ 17.4741, 0.3287,
0.4148

■ 14.8733, 0.3283,
0.5775

■ 18.1069, 0.3241,
0.3863

■ 18.8120, 0.3192,
0.3596

■ 19.5919, 0.3141,
0.3350

■ 20.4488, 0.3089,
0.3127

■ 21.3850, 0.3039,
0.2925

■ 22.4024, 0.2992,
0.2745

Harmonies

Analogous

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



15.9829, 0.4203, 0.4814



15.9829, 0.3370, 0.5025



15.9829, 0.2519, 0.4505

Triad

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



15.9829, 0.3370, 0.5025



15.9829, 0.1635, 0.2080



15.9829, 0.4486, 0.2939

Complementary

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



15.9829, 0.3370, 0.5025



5.6080, 0.2621, 0.1658

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.



15.9829, 0.3584, 0.2402



15.9829, 0.3370, 0.5025



15.9829, 0.1985, 0.1923

Square

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



15.9829, 0.3370, 0.5025



15.9829, 0.1594, 0.2584



15.9829, 0.2655, 0.2044



15.9829, 0.4948, 0.3568

Rectangle

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



15.9829, 0.3370, 0.5025



15.9829, 0.2059, 0.3835



15.9829, 0.2655, 0.2044



15.9829, 0.4215, 0.2745

Sweetspot

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



15.9836, 0.3370, 0.5025



32.8059, 0.3226, 0.3778



11.8765, 0.4350, 0.4168



7.6573, 0.3238, 0.3843



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.9836, 0.3370, 0.5025



27.7083, 0.3363, 0.5383



14.9987, 0.2990, 0.5073



4.5238, 0.3174, 0.3507



15.3832, 0.3282, 0.5776



72.9042, 0.3246, 0.5805

Inverse Universe

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



5.6080, 0.2621, 0.1658



7.4404, 0.2468, 0.1344



7.4399, 0.3310, 0.1997



3.9984, 0.3077, 0.3075



2.8960, 0.2227, 0.1000



13.3059, 0.2180, 0.0975

Previews

White Background



This preview shows how the Yxy color 15.9829, 0.3370, 0.5025 looks on a white 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

Black Background



This preview shows how the Yxy color 15.9829, 0.3370, 0.5025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

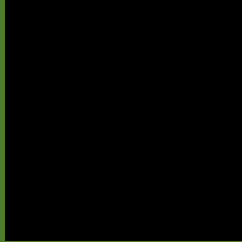
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9829, 0.3370, 0.5025

Background



This preview shows how black text looks on a background with the Yxy color 15.9829, 0.3370, 0.5025.



This preview shows how white text looks on a background with the Yxy color 15.9829, 0.3370, 0.5025.

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

15.9829, 0.3370, 0.5025

Protanopia

15.8284, 0.4142, 0.4543

Deuteranopia

15.8654, 0.4310, 0.4256



Tritanopia

15.8904, 0.2728, 0.3099

Trichromacy



Original Color

15.9829, 0.3370, 0.5025

Protanomaly

15.5691, 0.3840, 0.4727

Deuteranomaly

15.5231, 0.3955, 0.4531

Tritanomaly

15.7798, 0.2983, 0.3787

Monochromacy



Original Color

15.9829, 0.3370, 0.5025

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8585, 0.3260, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9829, 0.3370, 0.5025 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(78, 123, 46)` looks like.

```
.text, #text, p{  
    color:rgb(78, 123, 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(78, 123, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 123, 46) }
```

Border

The CSS property to change the border of an element to Yxy 15.9829, 0.3370, 0.5025 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(78, 123, 46) }
```

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

```
.border{ border-color:rgb(78, 123, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 123, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 123, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 123, 46);  
box-shadow:4px 4px 4px 4px rgb(78, 123,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9829, 0.3370, 0.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 123, 46) }
```

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

```
.background{ background-color: rgb(78, 123,  
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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