

Converting Colors

$Yxy(15.9446, 0.3062, 0.4528)$

Have a look what the booklet for
Yxy(15.9446, 0.3062, 0.4528)
contains.

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Color

Yxy(15.9229, 0.3058, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	467B47
RGB	70, 123, 71
RGB Percent	27%, 48%, 28%
CMY	0.7256, 0.5176, 0.7216
CMYK	0.43, 0.00, 0.42, 0.52
HSL	121°, 27%, 38%
HSV	121°, 43%, 48%
XYZ	10.7441, 15.9229, 8.4674
YIQ	101.2250, -14.8960, -27.4080

Conversions

Conversions Part 2

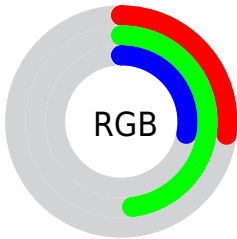
Format	Color
RYB	70, 122, 123
Decimal	4619079
CIELab	46.87, -29.25, 23.03
CIElCh	47, 37.229, 141.777
Yxy	15.9229, 0.3058, 0.4532
Android (android.graphics.Color)	4282809159 (0xFF467B47)
YUV	101.2250, -14.9009, -27.3843
Hunter-Lab	39.9035, -21.7697, 15.3513

Details

The Yxy color **15.9229, 0.3058, 0.4532** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.9923, 0.3191, 0.2299**, and the grayscale version is **13.1155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4717, 0.3092, 0.4208**, and **5.1007, 0.2945, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **15.3725, 0.3041, 0.4871**, and if you desaturate by 10%, it is **16.5991, 0.3075, 0.4201**.

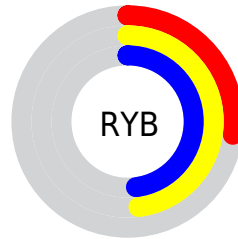
Distribution



Red (27%)

Green (48%)

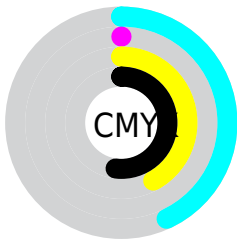
Blue (28%)



Red (27%)

Yellow (48%)

Blue (48%)

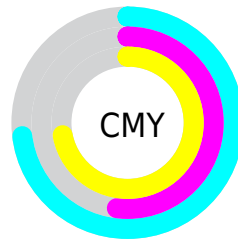


Cyan (43%)

Magenta (0%)

Yellow (42%)

Black (52%)



Cyan (73%)


Magenta (52%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9229, 0.3058, 0.4532 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 15.9229, 0.3058, 0.4532 by changing the saturation by 10% instead.


 15.9229, 0.3058,
0.4532


 15.9229, 0.3058,
0.4532


228.8863, 0.3122,
0.3764

 9.4696, 0.3021,
0.4799


 36.4643, 0.3093,
0.4205

 5.0487, 0.2949,
0.5203

 51.3212, 0.3102,
0.4098

 2.2759, 0.2860,
0.6020

 69.7481, 0.3108,
0.4013

 0.7609, 0.0120,
0.9880

 92.1294, 0.3113,
0.3944

 0.0000, 0.0000,
0.0000

 118.8495, 0.3116,
0.3887

150.2927, 0.3118,

0.3840

186.8435, 0.3120,
0.3799

■ 15.9229, 0.3058,
0.4532

■ 15.9229, 0.3058,
0.4532

■ 15.3725, 0.3041,
0.4871

■ 16.5991, 0.3075,
0.4201

■ 14.9382, 0.3025,
0.5199

■ 17.4061, 0.3092,
0.3892

■ 14.6125, 0.3013,
0.5493


■ 18.3509, 0.3108,
0.3611


■ 14.3856, 0.3004,
0.5731

■ 19.4396, 0.3123,
0.3362

■ 14.2459, 0.2999,
0.5894

■ 20.6778, 0.3136,
0.3143

 14.1731, 0.2994,
0.5980

 22.0709, 0.3148,
0.2952

 23.6240, 0.3158,
0.2788

 25.3420, 0.3167,
0.2646

 27.2294, 0.3175,
0.2524

Harmonies

Analogous

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



15.9229, 0.3767, 0.4637



15.9229, 0.3058, 0.4532



15.9229, 0.2405, 0.3923

Triad

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



15.9229, 0.3058, 0.4532



15.9229, 0.1984, 0.2215



15.9229, 0.4415, 0.3240

Complementary

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



15.9229, 0.3058, 0.4532



9.9923, 0.3191, 0.2299

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.



15.9229, 0.3817, 0.2739



15.9229, 0.3058, 0.4532



15.9229, 0.2398, 0.2173

Square

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



15.9229, 0.3058, 0.4532



15.9229, 0.1840, 0.2527



15.9229, 0.3053, 0.2362



15.9229, 0.4602, 0.3791

Rectangle

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



15.9229, 0.3058, 0.4532



15.9229, 0.2089, 0.3389



15.9229, 0.3053, 0.2362



15.9229, 0.4253, 0.3064

Sweetspot

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



15.9236, 0.3058, 0.4532



32.8212, 0.3108, 0.3617



18.7562, 0.3728, 0.4308



7.6502, 0.3105, 0.3667



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.



15.9236, 0.3058, 0.4532



27.5106, 0.3041, 0.4876



16.3387, 0.2802, 0.3885



4.4511, 0.3114, 0.3506



14.6599, 0.2995, 0.5981



69.9145, 0.2998, 0.5992

Inverse Universe

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



9.9923, 0.3191, 0.2299



15.3684, 0.3206, 0.2092



9.4249, 0.3661, 0.2771



4.0762, 0.3140, 0.3083



5.7744, 0.3256, 0.1568



27.5292, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 15.9229, 0.3058, 0.4532 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 15.9229, 0.3058, 0.4532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

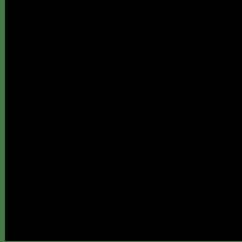
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9229, 0.3058, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 15.9229, 0.3058, 0.4532.



This preview shows how white text looks on a background with the Yxy color 15.9229, 0.3058, 0.4532.

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

15.9229, 0.3058, 0.4532

Protanopia

15.8272, 0.3848, 0.4185

Deuteranopia

15.7216, 0.3935, 0.3881



Tritanopia

15.9783, 0.2620, 0.3096

Trichromacy



Original Color

15.9229, 0.3058, 0.4532

Protanomaly

15.5036, 0.3520, 0.4312

Deuteranomaly

15.3340, 0.3565, 0.4099

Tritanomaly

15.8120, 0.2779, 0.3584

Monochromacy



Original Color

15.9229, 0.3058, 0.4532

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8491, 0.3106, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9229, 0.3058, 0.4532 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(70, 123, 71)` looks like.

```
.text, #text, p{  
  color:rgb(70, 123, 71)  
}
```

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(70, 123, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 123, 71) }
```

Border

The CSS property to change the border of an element to Yxy 15.9229, 0.3058, 0.4532 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(70, 123, 71) }
```

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

```
.border{ border-color:rgb(70, 123, 71) }
```

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

Here you see how a box with a 4 pixel rgb(70, 123, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 123, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 123, 71);  
box-shadow:4px 4px 4px 4px rgb(70, 123,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9229, 0.3058, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 123, 71) }
```

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

```
.background{ background-color: rgb(70, 123,  
71) }
```

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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