

Converting Colors

$Y_{xy}(16.3244, 0.3214, 0.4369)$

Have a look what the booklet for
Yxy(16.3244, 0.3214, 0.4369)
contains.

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Color

Yxy(16.3919, 0.3215, 0.4379)

Conversions

Conversions Part 1

Format	Color
Hex	567A4A
RGB	86, 122, 74
RGB Percent	34%, 48%, 29%
CMY	0.6626, 0.5216, 0.7098
CMYK	0.29, 0.00, 0.39, 0.52
HSL	105°, 24%, 38%
HSV	105°, 39%, 48%
XYZ	12.0347, 16.3919, 9.0064
YIQ	105.7640, -6.0480, -22.5600

Conversions

Conversions Part 2

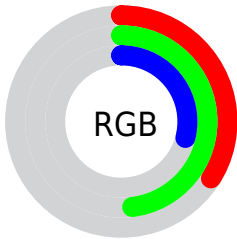
Format	Color
RYB	74, 122, 110
Decimal	5667402
CIELab	47.48, -22.57, 22.31
CIELCh	47, 31.735, 135.321
Yxy	16.3919, 0.3215, 0.4379
Android (android.graphics.Color)	4283857482 (0xFF567A4A)
YUV	105.7640, -15.6597, -17.3330
Hunter-Lab	40.4869, -17.7931, 15.1517

Details

The Yxy color **16.3919, 0.3215, 0.4379** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.6142, 0.2976, 0.2310**, and the grayscale version is **14.3914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4084, 0.3209, 0.4109**, and **5.2659, 0.3190, 0.4936** is the 20% darker color. If you saturate the color by 10%, you get **15.8371, 0.3225, 0.4696**, and if you desaturate by 10%, it is **17.0355, 0.3198, 0.4071**.

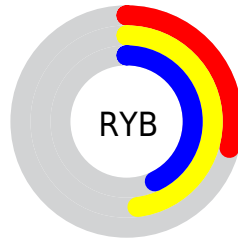
Distribution



Red (34%)

Green (48%)

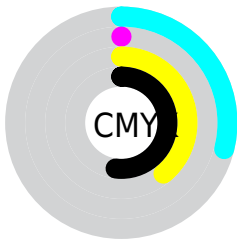
Blue (29%)



Red (29%)

Yellow (48%)

Blue (43%)

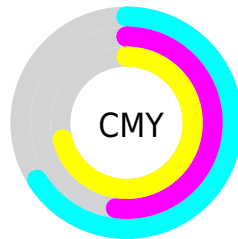


Cyan (29%)

Magenta (0%)

Yellow (39%)

Black (52%)



Cyan (66%)


Magenta (52%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3919, 0.3215, 0.4379 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 16.3919, 0.3215, 0.4379 by changing the saturation by 10% instead.


 16.3919, 0.3215,
0.4379


 16.3919, 0.3215,
0.4379


231.6433, 0.3181,
0.3714


 9.8019, 0.3213,
0.4604


 37.2772, 0.3208,
0.4099


 5.2678, 0.3196,
0.4940

 52.3414, 0.3204,
0.4007


 2.4052, 0.3174,
0.5561

 70.9990, 0.3199,
0.3933

 0.8286, 0.2222,
0.7778

 93.6345, 0.3195,
0.3873

 0.0000, 0.0000,
0.0000

 120.6323, 0.3191,
0.3823

152.3767, 0.3187,

0.3781

189.2523, 0.3184,
0.3745

■ 16.3919, 0.3215,
0.4379

■ 16.3919, 0.3215,
0.4379

■ 15.8371, 0.3225,
0.4696

■ 17.0355, 0.3198,
0.4071

■ 15.3651, 0.3225,
0.5009

■ 17.7695, 0.3177,
0.3781

■ 14.9724, 0.3214,
0.5301


■ 18.5980, 0.3152,
0.3515

■ 14.6541, 0.3192,
0.5552


■ 19.5244, 0.3125,
0.3275


■ 14.4052, 0.3159,
0.5746

■ 20.5518, 0.3099,
0.3061

 14.2145, 0.3124,
0.5894

 21.6831, 0.3072,
0.2871

 14.2035, 0.3122,
0.5903

 22.9211, 0.3046,
0.2703

 24.2687, 0.3022,
0.2556

 25.7284, 0.2999,
0.2426

Harmonies

Analogous

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



16.3919, 0.3809, 0.4400



16.3919, 0.3215, 0.4379



16.3919, 0.2628, 0.3951

Triad

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



16.3919, 0.3215, 0.4379



16.3919, 0.2092, 0.2407



16.3919, 0.4129, 0.3161

Complementary

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



16.3919, 0.3215, 0.4379



9.6142, 0.2976, 0.2310

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.



16.3919, 0.3578, 0.2736



16.3919, 0.3215, 0.4379



16.3919, 0.2408, 0.2314

Square

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



16.3919, 0.3215, 0.4379



16.3919, 0.2019, 0.2742



16.3919, 0.2937, 0.2436



16.3919, 0.4377, 0.3640

Rectangle

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



16.3919, 0.3215, 0.4379



16.3919, 0.2319, 0.3525



16.3919, 0.2937, 0.2436



16.3919, 0.3970, 0.3010

Sweetspot

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



16.3926, 0.3215, 0.4379



32.2745, 0.3159, 0.3591



15.6110, 0.3775, 0.3995



7.3468, 0.3162, 0.3616



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.3926, 0.3215, 0.4379



27.9740, 0.3224, 0.4658



16.0331, 0.2962, 0.4155



4.4940, 0.3151, 0.3508



14.9509, 0.3121, 0.5904



70.9698, 0.3092, 0.5927

Inverse Universe

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



9.6142, 0.2976, 0.2310



14.3105, 0.2930, 0.2090



10.1770, 0.3354, 0.2560



4.0294, 0.3101, 0.3076



3.8395, 0.2602, 0.1207



17.8973, 0.2570, 0.1190

Previews

White Background



This preview shows how the Yxy color 16.3919, 0.3215, 0.4379 looks on a white background.

Color Contrast Check

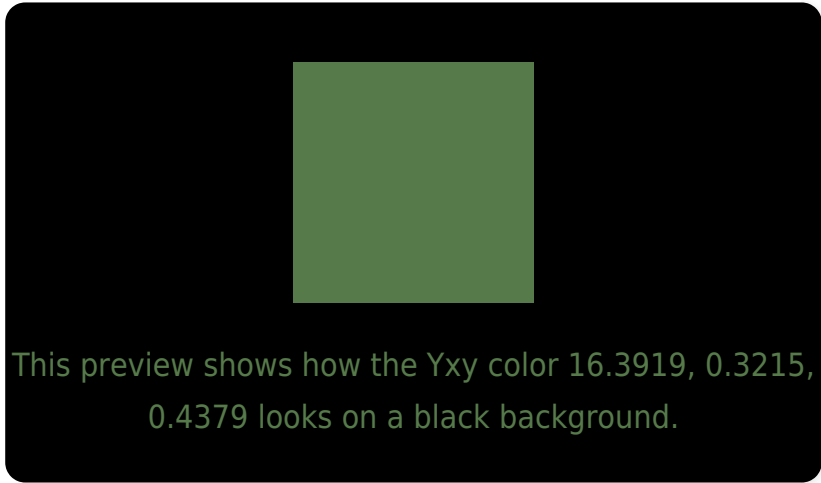
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

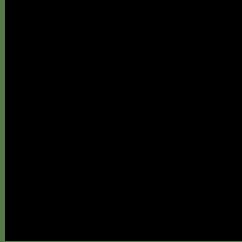
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3919, 0.3215, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 16.3919, 0.3215, 0.4379.



This preview shows how white text looks on a background with the Yxy color 16.3919, 0.3215, 0.4379.

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

16.3919, 0.3215, 0.4379

Protanopia

16.1681, 0.3805, 0.4122

Deuteranopia

16.1195, 0.3929, 0.3855



Tritanopia

16.4043, 0.2774, 0.3103

Trichromacy



Original Color

16.3919, 0.3215, 0.4379

Protanomaly

16.1969, 0.3579, 0.4234

Deuteranomaly

15.8921, 0.3657, 0.4026

Tritanomaly

16.2728, 0.2944, 0.3551

Monochromacy



Original Color

16.3919, 0.3215, 0.4379

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0491, 0.3175, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3919, 0.3215, 0.4379 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(86, 122, 74)` looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 74)  
}
```

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(86, 122, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 74) }
```

Border

The CSS property to change the border of an element to Yxy 16.3919, 0.3215, 0.4379 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(86, 122, 74) }
```

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

```
.border{ border-color:rgb(86, 122, 74) }
```

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

Here you see how a box with a 4 pixel rgb(86, 122, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 74);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3919, 0.3215, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 74) }
```

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

```
.background{ background-color: rgb(86, 122,  
74) }
```

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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