

Converting Colors

$Y_{xy}(16.2495, 0.3211, 0.5119)$

Have a look what the booklet for
Yxy(16.2495, 0.3211, 0.5119)
contains.

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Color

$\text{Yxy}(16.2852, 0.3214, 0.5121)$

Conversions

Conversions Part 1

Format	Color
Hex	427E2F
RGB	66, 126, 47
RGB Percent	26%, 49%, 18%
CMY	0.7412, 0.5059, 0.8156
CMYK	0.48, 0.00, 0.63, 0.51
HSL	106°, 46%, 34%
HSV	106°, 63%, 49%
XYZ	10.2208, 16.2852, 5.2948
YIQ	99.0540, -10.4010, -37.2890

Conversions

Conversions Part 2

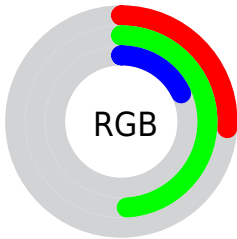
Format	Color
R_{YB}	47, 126, 107
Decimal	4357679
CIE _{Lab}	47.35, -35.28, 36.22
CIE _{LCh}	47, 50.559, 134.247
Yxy	16.2852, 0.3214, 0.5121
Android (android.graphics.Color)	4282547759 (0xFF427E2F)
YUV	99.0540, -25.6626, -28.9884
Hunter-Lab	40.3549, -25.4120, 20.4692

Details

The Yxy color **16.2852, 0.3214, 0.5121** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.6669, 0.2857, 0.1756**, and the grayscale version is **12.5601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0067, 0.3242, 0.4644**, and **5.2076, 0.3046, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **15.8934, 0.3199, 0.5402**, and if you desaturate by 10%, it is **16.7635, 0.3218, 0.4811**.

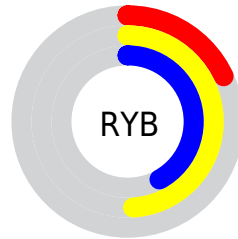
Distribution



Red (26%)

Green (49%)

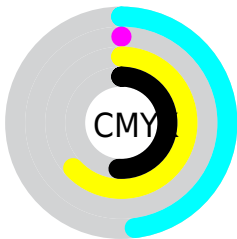
Blue (18%)



Red (18%)

Yellow (49%)

Blue (42%)

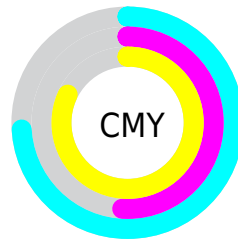


Cyan (48%)

Magenta (0%)

Yellow (63%)

Black (51%)



Cyan (74%)


Magenta (51%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2852, 0.3214, 0.5121 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 16.2852, 0.3214, 0.5121 by changing the saturation by 10% instead.


 16.2852, 0.3214,
0.5121


 16.2852, 0.3214,
0.5121


231.0188, 0.3217,
0.3990


 9.7262, 0.3170,
0.5497


 37.0926, 0.3238,
0.4645


 5.2178, 0.3068,
0.6047

 52.1098, 0.3239,
0.4487


 2.3756, 0.2899,
0.7101

 70.7152, 0.3237,
0.4362

 0.8133, 0.0000,
1.0000

 93.2932, 0.3233,
0.4259

 0.0000, 0.0000,
0.0000

 120.2281, 0.3229,
0.4175

 151.9045, 0.3225,

0.4103

188.7065, 0.3221,
0.4043

■ 16.2852, 0.3214,
0.5121

■ 16.2852, 0.3214,
0.5121

■ 15.8934, 0.3199,
0.5402

■ 16.7635, 0.3218,
0.4811

■ 15.5805, 0.3172,
0.5636

■ 17.3309, 0.3213,
0.4491

■ 15.3411, 0.3136,
0.5808

■ 17.9928, 0.3200,
0.4177

■ 15.2028, 0.3112,
0.5911

■ 18.7532, 0.3181,
0.3878

■ 19.6161, 0.3158,
0.3603

■ 20.5852, 0.3134,
0.3353

■ 21.6640, 0.3109,
0.3129

■ 22.8558, 0.3083,
0.2931

■ 24.1639, 0.3059,
0.2756

Harmonies

Analogous

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



16.2852, 0.4114, 0.4978



16.2852, 0.3214, 0.5121



16.2852, 0.2339, 0.4434

Triad

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



16.2852, 0.3214, 0.5121



16.2852, 0.1596, 0.1960



16.2852, 0.4702, 0.3015

Complementary

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



16.2852, 0.3214, 0.5121



6.6669, 0.2857, 0.1756

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.



16.2852, 0.3785, 0.2434



16.2852, 0.3214, 0.5121



16.2852, 0.2013, 0.1853

Square

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



16.2852, 0.3214, 0.5121



16.2852, 0.1497, 0.2415



16.2852, 0.2771, 0.2025



16.2852, 0.5079, 0.3678

Rectangle

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



16.2852, 0.3214, 0.5121



16.2852, 0.1894, 0.3677



16.2852, 0.2771, 0.2025



16.2852, 0.4438, 0.2808

Sweetspot

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



16.2859, 0.3214, 0.5121



33.4814, 0.3174, 0.3786



15.0017, 0.4189, 0.4395



7.5369, 0.3179, 0.3853



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.



16.2859, 0.3214, 0.5121



27.7346, 0.3189, 0.5504



15.9293, 0.2885, 0.4768



4.8648, 0.3150, 0.3510



15.5941, 0.3112, 0.5911



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.6669, 0.2857, 0.1756



9.2736, 0.2771, 0.1493



7.5156, 0.3571, 0.2194



4.3620, 0.3102, 0.3075



4.0786, 0.2626, 0.1220



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2852, 0.3214, 0.5121 looks on a white background.

Color Contrast Check

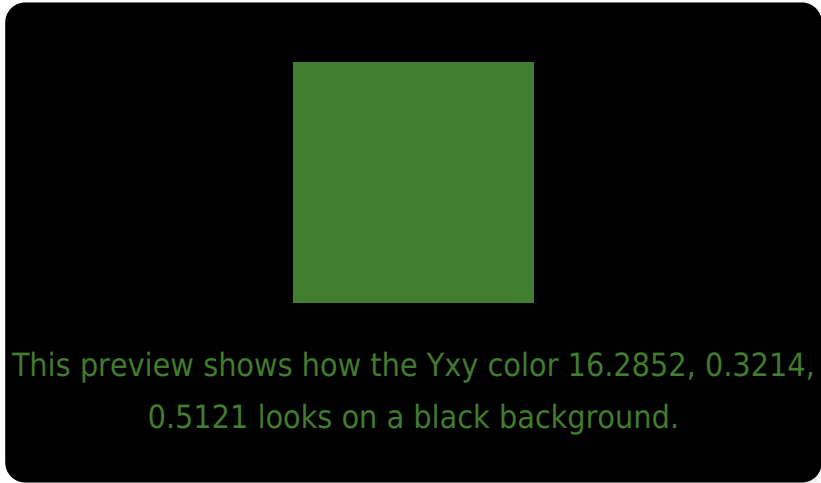
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2852, 0.3214, 0.5121

Background



This preview shows how black text looks on a background with the Yxy color 16.2852, 0.3214, 0.5121.



This preview shows how white text looks on a background with the Yxy color 16.2852, 0.3214, 0.5121.

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

16.2852, 0.3214, 0.5121

Protanopia

16.1227, 0.4145, 0.4550

Deuteranopia

15.9684, 0.4302, 0.4220



Tritanopia

16.2385, 0.2613, 0.3097

Trichromacy



Original Color

16.2852, 0.3214, 0.5121

Protanomaly

15.8475, 0.3778, 0.4780

Deuteranomaly

15.4940, 0.3866, 0.4543

Tritanomaly

16.0931, 0.2853, 0.3819

Monochromacy



Original Color

16.2852, 0.3214, 0.5121

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.5427, 0.3188, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2852, 0.3214, 0.5121 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(66, 126, 47)` looks like.

```
.text, #text, p{  
    color:rgb(66, 126, 47)  
}
```

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(66, 126, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 126, 47) }
```

Border

The CSS property to change the border of an element to Yxy 16.2852, 0.3214, 0.5121 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(66, 126, 47) }
```

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

```
.border{ border-color:rgb(66, 126, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 126, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 126, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 126, 47);  
box-shadow:4px 4px 4px 4px rgb(66, 126,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2852, 0.3214, 0.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 126, 47) }
```

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

```
.background{ background-color: rgb(66, 126,  
47) }
```

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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