

Converting Colors

$Y_{xy}(18.1688, 0.3238, 0.4416)$

Have a look what the booklet for
Yxy(18.1688, 0.3238, 0.4416)
contains.

Yxy(18.1843, 0.3240, 0.4417)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.1843, 0.3240, 0.4417)

Conversions

Conversions Part 1

Format	Color
Hex	5B804C
RGB	91, 128, 76
RGB Percent	36%, 50%, 30%
CMY	0.6431, 0.4980, 0.7019
CMYK	0.29, 0.00, 0.41, 0.50
HSL	103°, 25%, 40%
HSV	103°, 41%, 50%
XYZ	13.3387, 18.1843, 9.6459
YIQ	111.0090, -5.3600, -24.0160

Conversions

Conversions Part 2

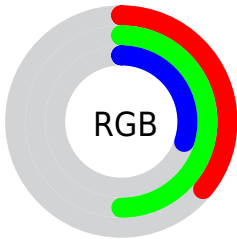
Format	Color
R_{YB}	76, 128, 113
Decimal	5996620
CIE _{Lab}	49.72, -23.44, 24.15
CIE _{LCh}	50, 33.654, 134.141
Yxy	18.1843, 0.3240, 0.4417
Android (android.graphics.Color)	4284186700 (0xFF5B804C)
YUV	111.0090, -17.2594, -17.5479
Hunter-Lab	42.6431, -18.7907, 16.4387

Details

The Yxy color **18.1843, 0.3240, 0.4417** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.2398, 0.2939, 0.2264**, and the grayscale version is **15.9522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3049, 0.3221, 0.4129**, and **6.1993, 0.3237, 0.4984** is the 20% darker color. If you saturate the color by 10%, you get **17.5892, 0.3253, 0.4732**, and if you desaturate by 10%, it is **18.8726, 0.3219, 0.4109**.

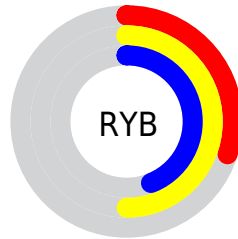
Distribution



Red (36%)

Green (50%)

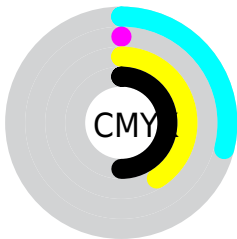
Blue (30%)



Red (30%)

Yellow (50%)

Blue (44%)

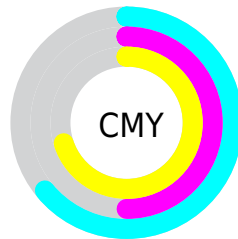


Cyan (29%)

Magenta (0%)

Yellow (41%)

Black (50%)



Cyan (64%)


Magenta (50%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1843, 0.3240, 0.4417 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 18.1843, 0.3240, 0.4417 by changing the saturation by 10% instead.


 18.1843, 0.3240,
0.4417


 18.1843, 0.3240,
0.4417


241.9078, 0.3194,
0.3738


 11.0824, 0.3241,
0.4640


 40.3511, 0.3229,
0.4135

 6.1223, 0.3229,
0.4967

 56.1848, 0.3222,
0.4041


 2.9196, 0.3191,
0.5510

 75.6979, 0.3217,
0.3965

 1.0899, 0.2925,
0.7075

 99.2747, 0.3211,
0.3903

 0.0000, 0.0000,
0.0000

 127.2998, 0.3206,
0.3852

160.1574, 0.3202,

0.3808

198.2319, 0.3198,
0.3771

■ 18.1843, 0.3240,
0.4417

■ 18.1843, 0.3240,
0.4417

■ 17.5892, 0.3253,
0.4732

■ 18.8726, 0.3219,
0.4109

■ 17.0808, 0.3256,
0.5039

■ 19.6556, 0.3192,
0.3818

■ 16.6555, 0.3246,
0.5323


■ 20.5377, 0.3161,
0.3549


■ 16.3083, 0.3222,
0.5564


■ 21.5222, 0.3129,
0.3304

■ 16.0338, 0.3186,
0.5748

■ 22.6126, 0.3097,
0.3085

 15.8305, 0.3150,
0.5881

 23.8117, 0.3065,
0.2891

 25.1227, 0.3034,
0.2718

 26.5483, 0.3004,
0.2566

 28.0914, 0.2977,
0.2432

Harmonies

Analogous

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



18.1843, 0.3845, 0.4419



18.1843, 0.3240, 0.4417



18.1843, 0.2636, 0.3992

Triad

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



18.1843, 0.3240, 0.4417



18.1843, 0.2062, 0.2395



18.1843, 0.4137, 0.3138

Complementary

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



18.1843, 0.3240, 0.4417



10.2398, 0.2939, 0.2264

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.



18.1843, 0.3563, 0.2709



18.1843, 0.3240, 0.4417



18.1843, 0.2374, 0.2292

Square

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



18.1843, 0.3240, 0.4417



18.1843, 0.1998, 0.2746



18.1843, 0.2907, 0.2409



18.1843, 0.4405, 0.3626

Rectangle

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



18.1843, 0.3240, 0.4417



18.1843, 0.2316, 0.3557



18.1843, 0.2907, 0.2409



18.1843, 0.3970, 0.2985

Sweetspot

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



18.1851, 0.3240, 0.4417



35.8892, 0.3166, 0.3592



16.7889, 0.3814, 0.3991



8.3636, 0.3170, 0.3619



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.1851, 0.3240, 0.4417



31.0157, 0.3253, 0.4716



17.6541, 0.2973, 0.4234



4.8742, 0.3156, 0.3510



15.6974, 0.3150, 0.5881



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.2398, 0.2939, 0.2264



14.9471, 0.2878, 0.2021



11.0581, 0.3336, 0.2504



4.3521, 0.3095, 0.3074



3.7555, 0.2512, 0.1157



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1843, 0.3240, 0.4417 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 18.1843, 0.3240, 0.4417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

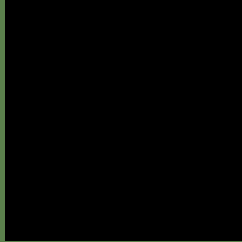
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1843, 0.3240, 0.4417

Background



This preview shows how black text looks on a background with the Yxy color 18.1843, 0.3240, 0.4417.



This preview shows how white text looks on a background with the Yxy color 18.1843, 0.3240, 0.4417.

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

18.1843, 0.3240, 0.4417

Protanopia

18.0919, 0.3836, 0.4156

Deuteranopia

18.0522, 0.3944, 0.3882



Tritanopia

18.0228, 0.2776, 0.3091

Trichromacy



Original Color

18.1843, 0.3240, 0.4417

Protanomaly

18.0449, 0.3604, 0.4270

Deuteranomaly

17.7323, 0.3669, 0.4052

Tritanomaly

18.1044, 0.2951, 0.3560

Monochromacy



Original Color

18.1843, 0.3240, 0.4417

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5475, 0.3185, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1843, 0.3240, 0.4417 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(91, 128, 76)` looks like.

```
.text, #text, p{  
    color:rgb(91, 128, 76)  
}
```

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(91, 128, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 128, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.1843, 0.3240, 0.4417 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(91, 128, 76) }
```

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

```
.border{ border-color:rgb(91, 128, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 128, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 128, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 128, 76);  
box-shadow:4px 4px 4px 4px rgb(91, 128,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1843, 0.3240, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 128, 76) }
```

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

```
.background{ background-color: rgb(91, 128,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor