

Converting Colors

$Y_{xy}(18.6820, 0.3413, 0.4336)$

Have a look what the booklet for
Yxy(18.6820, 0.3413, 0.4336)
contains.

Yxy(18.7038, 0.3416, 0.4340)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.7038, 0.3416, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	697F4C
RGB	105, 127, 76
RGB Percent	41%, 50%, 30%
CMY	0.5881, 0.5020, 0.7020
CMYK	0.17, 0.00, 0.40, 0.50
HSL	86°, 25%, 40%
HSV	86°, 40%, 50%
XYZ	14.7217, 18.7038, 9.6708
YIQ	114.6080, 3.2590, -20.5250

Conversions

Conversions Part 2

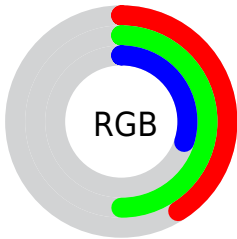
Format	Color
R_{YB}	76, 127, 98
Decimal	6913868
CIE _{Lab}	50.34, -17.42, 25.14
CIE _{LCh}	50, 30.590, 124.721
Yxy	18.7038, 0.3416, 0.4340
Android (android.graphics.Color)	4285103948 (0xFF697F4C)
YUV	114.6080, -19.0337, -8.4262
Hunter-Lab	43.2479, -14.9219, 17.0155

Details

The Yxy color **18.7038, 0.3416, 0.4340** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.2955, 0.2725, 0.2213**, and the grayscale version is **17.0791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3170, 0.3358, 0.4081**, and **6.3833, 0.3479, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **18.2243, 0.3472, 0.4618**, and if you desaturate by 10%, it is **19.2412, 0.3350, 0.4061**.

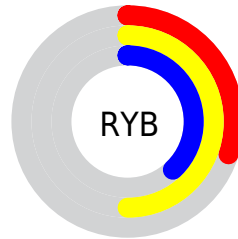
Distribution



Red (41%)

Green (50%)

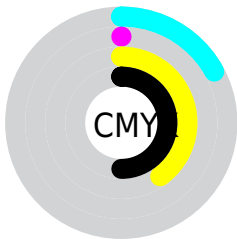
Blue (30%)



Red (30%)

Yellow (50%)

Blue (38%)

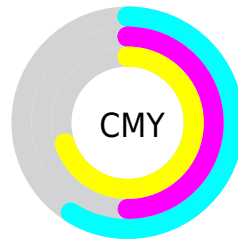


Cyan (17%)

Magenta (0%)

Yellow (40%)

Black (50%)



Cyan (59%)

Magenta (50%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7038, 0.3416, 0.4340 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 18.7038, 0.3416, 0.4340 by changing the saturation by 10% instead.


 18.7038, 0.3416,
0.4340


 18.7038, 0.3416,
0.4340


244.8087, 0.3266,
0.3717


 11.4564, 0.3450,
0.4538


 41.2330, 0.3362,
0.4085


 6.3747, 0.3486,
0.4823


 57.2836, 0.3341,
0.3998


 3.0743, 0.3525,
0.5283

 77.0375, 0.3324,
0.3928

 1.1706, 0.3614,
0.6386

 100.8789, 0.3309,
0.3871

 0.0375, 0.0000,
1.0000

 129.1923, 0.3296,
0.3823

 0.0000, 0.0000,
0.0000

162.3622, 0.3285,

0.3782

200.7728, 0.3275,
0.3747

■ 18.7038, 0.3416,
0.4340

■ 18.7038, 0.3416,
0.4340

■ 18.2243, 0.3472,
0.4618

■ 19.2412, 0.3350,
0.4061

■ 17.7976, 0.3513,
0.4883

■ 19.8362, 0.3278,
0.3791

■ 17.4221, 0.3536,
0.5125

■ 20.4919, 0.3203,
0.3533

■ 17.0945, 0.3538,
0.5330

■ 21.2101, 0.3128,
0.3294

■ 16.8117, 0.3518,
0.5489

■ 21.9929, 0.3055,
0.3073

■ 16.5668, 0.3485,
0.5615

■ 22.8421, 0.2984,
0.2873

■ 23.7593, 0.2917,
0.2691

■ 24.7463, 0.2854,
0.2528

■ 25.8047, 0.2795,
0.2381

Harmonies

Analogous

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



18.7038, 0.3930, 0.4246



18.7038, 0.3416, 0.4340



18.7038, 0.2851, 0.4070

Triad

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



18.7038, 0.3416, 0.4340



18.7038, 0.2112, 0.2557



18.7038, 0.3895, 0.3024

Complementary

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



18.7038, 0.3416, 0.4340



9.2955, 0.2725, 0.2213

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.



18.7038, 0.3335, 0.2660



18.7038, 0.3416, 0.4340



18.7038, 0.2330, 0.2388

Square

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



18.7038, 0.3416, 0.4340



18.7038, 0.2129, 0.2952



18.7038, 0.2761, 0.2432



18.7038, 0.4239, 0.3464

Rectangle

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



18.7038, 0.3416, 0.4340



18.7038, 0.2522, 0.3720



18.7038, 0.2761, 0.2432



18.7038, 0.3723, 0.2891

Sweetspot

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



18.7046, 0.3416, 0.4340



36.4390, 0.3220, 0.3587



13.6286, 0.3912, 0.3714



8.5021, 0.3227, 0.3613



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.



18.7046, 0.3416, 0.4340



32.7200, 0.3466, 0.4590



17.4160, 0.3119, 0.4444



4.9300, 0.3196, 0.3507



16.7081, 0.3485, 0.5615



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2955, 0.2725, 0.2213



13.4563, 0.2608, 0.1948



10.8929, 0.3105, 0.2325



4.2952, 0.3054, 0.3072



2.3555, 0.1927, 0.0835



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.7038, 0.3416, 0.4340 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7038, 0.3416, 0.4340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

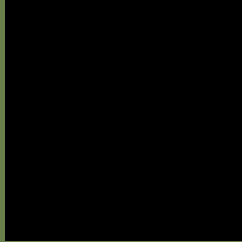
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7038, 0.3416, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 18.7038, 0.3416, 0.4340.



This preview shows how white text looks on a background with the Yxy color 18.7038, 0.3416, 0.4340.

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

18.7038, 0.3416, 0.4340

Protanopia

18.7393, 0.3837, 0.4162

Deuteranopia

18.5284, 0.3991, 0.3906



Tritanopia

18.7972, 0.2932, 0.3118

Trichromacy



Original Color

18.7038, 0.3416, 0.4340

Protanomaly

18.7979, 0.3682, 0.4235

Deuteranomaly

18.4895, 0.3772, 0.4060

Tritanomaly

18.6067, 0.3115, 0.3550

Monochromacy



Original Color

18.7038, 0.3416, 0.4340

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.5127, 0.3237, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7038, 0.3416, 0.4340 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(105, 127, 76)` looks like.

```
.text, #text, p{  
    color:rgb(105, 127, 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(105, 127, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 127, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.7038, 0.3416, 0.4340 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(105, 127, 76) }
```

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

```
.border{ border-color:rgb(105, 127, 76) }
```

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

Here you see how a box with a 4 pixel rgb(105, 127, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 127, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 127, 76);  
box-shadow:4px 4px 4px 4px rgb(105, 127,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7038, 0.3416, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 127, 76) }
```

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

```
.background{ background-color: rgb(105,  
127, 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](#).

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