

Converting Colors

$Y_{xy}(18.7173, 0.3379, 0.4406)$

Have a look what the booklet for
Yxy(18.7173, 0.3379, 0.4406)
contains.

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Color

Yxy(18.6995, 0.3381, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	65804A
RGB	101, 128, 74
RGB Percent	40%, 50%, 29%
CMY	0.6040, 0.4980, 0.7098
CMYK	0.21, 0.00, 0.42, 0.50
HSL	90°, 27%, 40%
HSV	90°, 42%, 50%
XYZ	14.3200, 18.6995, 9.3349
YIQ	113.7710, 1.2420, -22.5180

Conversions

Conversions Part 2

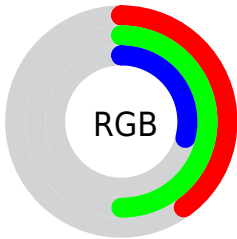
Format	Color
RYB	74, 128, 101
Decimal	6651978
CIELab	50.33, -19.87, 26.18
CIElCh	50, 32.864, 127.192
Yxy	18.6995, 0.3381, 0.4415
Android (android.graphics.Color)	4284842058 (0xFF65804A)
YUV	113.7710, -19.6071, -11.2002
Hunter-Lab	43.2429, -16.5642, 17.4710

Details

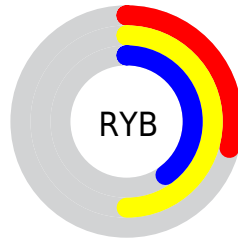
The Yxy color **18.6995, 0.3381, 0.4415** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.2273, 0.2755, 0.2169**, and the grayscale version is **16.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2753, 0.3335, 0.4134**, and **6.4059, 0.3420, 0.4954** is the 20% darker color. If you saturate the color by 10%, you get **18.1894, 0.3423, 0.4701**, and if you desaturate by 10%, it is **19.2752, 0.3328, 0.4128**.

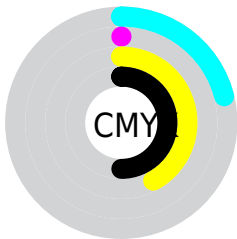
Distribution



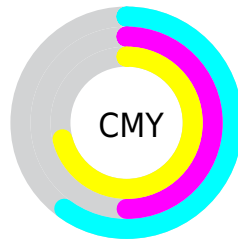
- Red (40%)
- Green (50%)
- Blue (29%)



- Red (29%)
- Yellow (50%)
- Blue (40%)



- Cyan (21%)
- Magenta (0%)
- Yellow (42%)
- Black (50%)



- Cyan (60%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6995, 0.3381, 0.4415 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 18.6995, 0.3381, 0.4415 by changing the saturation by 10% instead.


 18.6995, 0.3381,
0.4415


 18.6995, 0.3381,
0.4415


244.7848, 0.3254,
0.3745


 11.4533, 0.3406,
0.4629


 41.2257, 0.3337,
0.4140

 6.3726, 0.3428,
0.4938


 57.2745, 0.3320,
0.4046


 3.0730, 0.3449,
0.5450

 77.0264, 0.3305,
0.3971

 1.1699, 0.3399,
0.6601

 100.8657, 0.3292,
0.3910

 0.0369, 0.0000,
1.0000

 129.1768, 0.3280,
0.3858

 0.0000, 0.0000,
0.0000

162.3440, 0.3270,

0.3815

200.7519, 0.3262,
0.3777

■ 18.6995, 0.3381,
0.4415

■ 18.6995, 0.3381,
0.4415

■ 18.1894, 0.3423,
0.4701

■ 19.2752, 0.3328,
0.4128

■ 17.7397, 0.3450,
0.4975

■ 19.9167, 0.3269,
0.3849

■ 17.3480, 0.3459,
0.5222

■ 20.6271, 0.3206,
0.3586

■ 17.0111, 0.3448,
0.5430

■ 21.4089, 0.3141,
0.3341

■ 16.7251, 0.3416,
0.5589

■ 22.2642, 0.3077,
0.3117

■ 16.5278, 0.3386,
0.5694

■ 23.1949, 0.3016,
0.2913

■ 24.2033, 0.2957,
0.2730

■ 25.2910, 0.2901,
0.2566

■ 26.4601, 0.2849,
0.2420

Harmonies

Analogous

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



18.6995, 0.3943, 0.4333



18.6995, 0.3381, 0.4415



18.6995, 0.2780, 0.4093

Triad

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



18.6995, 0.3381, 0.4415



18.6995, 0.2056, 0.2480



18.6995, 0.3995, 0.3040

Complementary

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



18.6995, 0.3381, 0.4415



9.2273, 0.2755, 0.2169

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.



18.6995, 0.3401, 0.2645



18.6995, 0.3381, 0.4415



18.6995, 0.2306, 0.2324

Square

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



18.6995, 0.3381, 0.4415



18.6995, 0.2052, 0.2879



18.6995, 0.2779, 0.2390



18.6995, 0.4337, 0.3508

Rectangle

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



18.6995, 0.3381, 0.4415



18.6995, 0.2439, 0.3700



18.6995, 0.2779, 0.2390



18.6995, 0.3814, 0.2897

Sweetspot

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



18.7003, 0.3381, 0.4415



36.1662, 0.3213, 0.3614



14.3937, 0.3928, 0.3821



8.4097, 0.3225, 0.3664



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.



18.7003, 0.3381, 0.4415



32.0214, 0.3423, 0.4701



17.3915, 0.3069, 0.4530



4.9160, 0.3186, 0.3508



16.3869, 0.3386, 0.5693



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2273, 0.2755, 0.2169



12.9123, 0.2638, 0.1886



11.0477, 0.3174, 0.2299



4.3092, 0.3064, 0.3072



2.6299, 0.2055, 0.0906



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6995, 0.3381, 0.4415 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 18.6995, 0.3381, 0.4415 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 18.6995, 0.3381, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 18.6995, 0.3381, 0.4415.



This preview shows how white text looks on a background with the Yxy color 18.6995, 0.3381, 0.4415.

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

18.6995, 0.3381, 0.4415

Protanopia

18.7132, 0.3860, 0.4196

Deuteranopia

18.4997, 0.4016, 0.3940



Tritanopia

18.5646, 0.2876, 0.3097

Trichromacy



Original Color

18.6995, 0.3381, 0.4415

Protanomaly

18.6269, 0.3677, 0.4281

Deuteranomaly

18.3046, 0.3768, 0.4105

Tritanomaly

18.6053, 0.3066, 0.3573

Monochromacy



Original Color

18.6995, 0.3381, 0.4415

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3457, 0.3235, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6995, 0.3381, 0.4415 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(101, 128, 74)` looks like.

```
.text, #text, p{  
    color:rgb(101, 128, 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(101, 128, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 128, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.6995, 0.3381, 0.4415 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(101, 128, 74) }
```

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

```
.border{ border-color:rgb(101, 128, 74) }
```

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

Here you see how a box with a 4 pixel rgb(101, 128, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 128, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 128, 74);  
box-shadow:4px 4px 4px 4px rgb(101, 128,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6995, 0.3381, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 128, 74) }
```

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

```
.background{ background-color: rgb(101,  
128, 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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