

Converting Colors

$Yxy(18.1426, 0.3187, 0.4471)$

Have a look what the booklet for
Yxy(18.1426, 0.3187, 0.4471)
contains.

Yxy(18.1869, 0.3189, 0.4476)	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(18.1869, 0.3189, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	56814B
RGB	86, 129, 75
RGB Percent	34%, 51%, 29%
CMY	0.6628, 0.4941, 0.7058
CMYK	0.33, 0.00, 0.42, 0.49
HSL	108°, 26%, 40%
HSV	108°, 42%, 51%
XYZ	12.9576, 18.1869, 9.4876
YIQ	109.9870, -8.2940, -25.9100

Conversions

Conversions Part 2

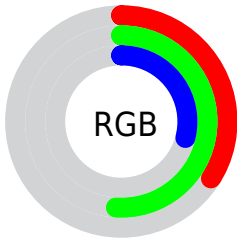
Format	Color
RYB	75, 129, 118
Decimal	5669195
CIELab	49.72, -25.95, 24.65
CIELCh	50, 35.789, 136.475
Yxy	18.1869, 0.3189, 0.4476
Android (android.graphics.Color)	4283859275 (0xFF56814B)
YUV	109.9870, -17.2486, -21.0366
Hunter-Lab	42.6461, -20.3954, 16.6619

Details

The Yxy color **18.1869, 0.3189, 0.4476** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.4743, 0.3002, 0.2253**, and the grayscale version is **15.6412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2549, 0.3184, 0.4169**, and **6.0740, 0.3153, 0.5066** is the 20% darker color. If you saturate the color by 10%, you get **17.5752, 0.3191, 0.4801**, and if you desaturate by 10%, it is **18.9062, 0.3180, 0.4158**.

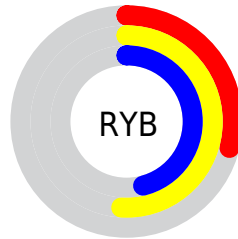
Distribution



Red (34%)

Green (51%)

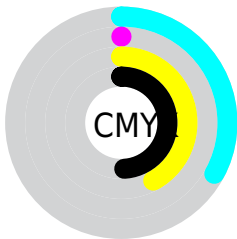
Blue (29%)



Red (29%)

Yellow (51%)

Blue (46%)

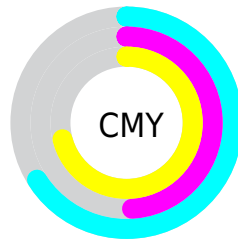


Cyan (33%)

Magenta (0%)

Yellow (42%)

Black (49%)



Cyan (66%)


Magenta (49%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1869, 0.3189, 0.4476 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 18.1869, 0.3189, 0.4476 by changing the saturation by 10% instead.


 18.1869, 0.3189,
0.4476


 18.1869, 0.3189,
0.4476


241.9224, 0.3174,
0.3759

 11.0843, 0.3179,
0.4713


 40.3555, 0.3191,
0.4177


 6.1235, 0.3149,
0.5061

 56.1903, 0.3189,
0.4078

 2.9203, 0.3086,
0.5649

 75.7046, 0.3187,
0.3998

 1.0903, 0.2632,
0.7368

 99.2828, 0.3184,
0.3933

 0.0000, 0.0000,
0.0000

 127.3093, 0.3182,
0.3878

160.1684, 0.3179,

0.3833

198.2447, 0.3177,
0.3793

■ 18.1869, 0.3189,
0.4476

■ 18.1869, 0.3189,
0.4476

■ 17.5752, 0.3191,
0.4801

■ 18.9062, 0.3180,
0.4158

■ 17.0636, 0.3184,
0.5117

■ 19.7355, 0.3167,
0.3858

■ 16.6473, 0.3168,
0.5405


■ 20.6801, 0.3150,
0.3582

■ 16.3200, 0.3143,
0.5645

■ 21.7443, 0.3131,
0.3333

■ 16.0748, 0.3110,
0.5821


■ 22.9321, 0.3111,
0.3111

 15.9239, 0.3085,
0.5932

 24.2473, 0.3091,
0.2916

 25.6937, 0.3071,
0.2744

 27.2747, 0.3052,
0.2593

 28.9937, 0.3034,
0.2461

Harmonies

Analogous

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



18.1869, 0.3836, 0.4503



18.1869, 0.3189, 0.4476



18.1869, 0.2559, 0.3990

Triad

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



18.1869, 0.3189, 0.4476



18.1869, 0.2020, 0.2325



18.1869, 0.4237, 0.3163

Complementary

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



18.1869, 0.3189, 0.4476



10.4743, 0.3002, 0.2253

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.



18.1869, 0.3643, 0.2707



18.1869, 0.3189, 0.4476



18.1869, 0.2366, 0.2240

Square

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



18.1869, 0.3189, 0.4476



18.1869, 0.1932, 0.2670



18.1869, 0.2943, 0.2380



18.1869, 0.4488, 0.3677

Rectangle

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



18.1869, 0.3189, 0.4476



18.1869, 0.2234, 0.3515



18.1869, 0.2943, 0.2380



18.1869, 0.4068, 0.3001

Sweetspot

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



18.1877, 0.3189, 0.4476



36.7710, 0.3152, 0.3620



17.9702, 0.3806, 0.4090



8.2478, 0.3156, 0.3672



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.



18.1877, 0.3189, 0.4476



31.5394, 0.3191, 0.4779



17.9419, 0.2927, 0.4163



4.8576, 0.3145, 0.3510



15.5265, 0.3086, 0.5932



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4743, 0.3002, 0.2253



15.8014, 0.2962, 0.2028



10.9107, 0.3420, 0.2557



4.3697, 0.3107, 0.3075



4.3469, 0.2715, 0.1269



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1869, 0.3189, 0.4476 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 18.1869, 0.3189, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

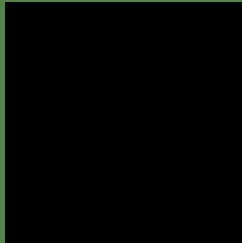
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1869, 0.3189, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 18.1869, 0.3189, 0.4476.



This preview shows how white text looks on a background with the Yxy color 18.1869, 0.3189, 0.4476.

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

18.1869, 0.3189, 0.4476

Protanopia

18.0789, 0.3848, 0.4173

Deuteranopia

18.0375, 0.3957, 0.3900



Tritanopia

18.0718, 0.2726, 0.3089

Trichromacy



Original Color

18.1869, 0.3189, 0.4476

Protanomaly

17.8977, 0.3588, 0.4299

Deuteranomaly

17.8087, 0.3647, 0.4096

Tritanomaly

18.0902, 0.2896, 0.3585

Monochromacy



Original Color

18.1869, 0.3189, 0.4476

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3523, 0.3158, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1869, 0.3189, 0.4476 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, 129, 75)` looks like.

```
.text, #text, p{  
    color:rgb(86, 129, 75)  
}
```

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, 129, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 129, 75) }
```

Border

The CSS property to change the border of an element to Yxy 18.1869, 0.3189, 0.4476 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, 129, 75) }
```

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

```
.border{ border-color:rgb(86, 129, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 129, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 129, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 129, 75);  
box-shadow:4px 4px 4px 4px rgb(86, 129,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1869, 0.3189, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 129, 75) }
```

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

```
.background{ background-color: rgb(86, 129,  
75) }
```

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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