

Converting Colors

$Y_{xy}(18.5852, 0.3089, 0.4851)$

Have a look what the booklet for
Yxy(18.5852, 0.3089, 0.4851)
contains.

Yxy(18.6608, 0.3081, 0.4847)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6608, 0.3081, 0.4847)

Conversions

Conversions Part 1

Format	Color
Hex	448641
RGB	68, 134, 65
RGB Percent	27%, 53%, 25%
CMY	0.7334, 0.4745, 0.7451
CMYK	0.49, 0.00, 0.51, 0.47
HSL	117°, 35%, 39%
HSV	117°, 51%, 53%
XYZ	11.8618, 18.6608, 7.9771
YIQ	106.4000, -17.1870, -35.4510

Conversions

Conversions Part 2

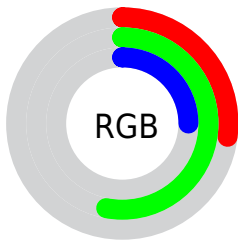
Format	Color
RYB	65, 134, 131
Decimal	4490817
CIELab	50.29, -35.86, 30.60
CIElCh	50, 47.141, 139.522
Yxy	18.6608, 0.3081, 0.4847
Android (android.graphics.Color)	4282680897 (0xFF448641)
YUV	106.4000, -20.4102, -33.6768
Hunter-Lab	43.1981, -26.5825, 19.2900

Details

The Yxy color **18.6608, 0.3081, 0.4847** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3293, 0.3136, 0.2082**, and the grayscale version is **14.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2463, 0.3125, 0.4459**, and **6.2754, 0.2944, 0.5615** is the 20% darker color. If you saturate the color by 10%, you get **18.1128, 0.3066, 0.5180**, and if you desaturate by 10%, it is **19.3481, 0.3094, 0.4504**.

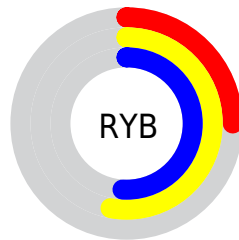
Distribution



Red (27%)

Green (53%)

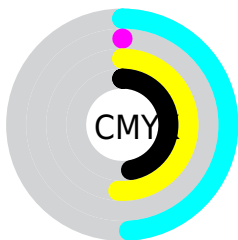
Blue (25%)



Red (25%)

Yellow (53%)

Blue (51%)

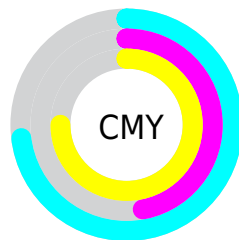


Cyan (49%)

Magenta (0%)

Yellow (51%)

Black (47%)



Cyan (73%)


Magenta (47%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6608, 0.3081, 0.4847 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 18.6608, 0.3081, 0.4847 by changing the saturation by 10% instead.


 18.6608, 0.3081,
0.4847


 18.6608, 0.3081,
0.4847


244.5697, 0.3145,
0.3899


 11.4254, 0.3036,
0.5161


 41.1601, 0.3121,
0.4451


 6.3538, 0.2947,
0.5619


 57.1929, 0.3130,
0.4318


 3.0614, 0.2835,
0.6514

 76.9269, 0.3136,
0.4213

 1.1639, 0.1511,
0.8489

 100.7466, 0.3139,
0.4127

 0.0319, 0.0000,
1.0000

 129.0363, 0.3142,
0.4055

 0.0000, 0.0000,
0.0000

 162.1805, 0.3143,

0.3995

200.5635, 0.3144,
0.3943

■ 18.6608, 0.3081,
0.4847

■ 18.6608, 0.3081,
0.4847

■ 18.1128, 0.3066,
0.5180

■ 19.3481, 0.3094,
0.4504

■ 17.6923, 0.3050,
0.5480

■ 20.1807, 0.3105,
0.4170

■ 17.3899, 0.3034,
0.5722

■ 21.1673, 0.3114,
0.3859

■ 17.1933, 0.3020,
0.5890

■ 22.3149, 0.3121,
0.3576

■ 17.0892, 0.3013,
0.5989

■ 23.6304, 0.3126,
0.3325

■ 25.1202, 0.3130,
0.3105

■ 26.7902, 0.3133,
0.2913

■ 28.6462, 0.3135,
0.2747

■ 30.6938, 0.3136,
0.2604

Harmonies

Analogous

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



18.6608, 0.3910, 0.4877



18.6608, 0.3081, 0.4847



18.6608, 0.2309, 0.4131

Triad

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



18.6608, 0.3081, 0.4847



18.6608, 0.1774, 0.2045



18.6608, 0.4634, 0.3160

Complementary

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



18.6608, 0.3081, 0.4847



10.3293, 0.3136, 0.2082

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.



18.6608, 0.3881, 0.2601



18.6608, 0.3081, 0.4847



18.6608, 0.2218, 0.1987

Square

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



18.6608, 0.3081, 0.4847



18.6608, 0.1632, 0.2412



18.6608, 0.2963, 0.2186



18.6608, 0.4882, 0.3786

Rectangle

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



18.6608, 0.3081, 0.4847



18.6608, 0.1934, 0.3466



18.6608, 0.2963, 0.2186



18.6608, 0.4427, 0.2963

Sweetspot

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



18.6616, 0.3081, 0.4847



38.5034, 0.3119, 0.3681



21.5640, 0.3879, 0.4439



8.5928, 0.3118, 0.3731



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.6616, 0.3081, 0.4847



31.7548, 0.3063, 0.5239



19.0211, 0.2792, 0.4143



5.2136, 0.3123, 0.3514



16.0148, 0.3014, 0.5989



0.0561, 0.3078, 0.5938

Inverse Universe

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



10.3293, 0.3136, 0.2082



15.3251, 0.3132, 0.1858



9.8275, 0.3732, 0.2589



4.7529, 0.3131, 0.3075



5.9309, 0.3105, 0.1484



0.0213, 0.3160, 0.1515

Previews

White Background



This preview shows how the Yxy color 18.6608, 0.3081, 0.4847 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 18.6608, 0.3081, 0.4847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

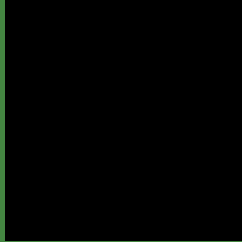
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6608, 0.3081, 0.4847

Background



This preview shows how black text looks on a background with the Yxy color 18.6608, 0.3081, 0.4847.



This preview shows how white text looks on a background with the Yxy color 18.6608, 0.3081, 0.4847.

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

18.6608, 0.3081, 0.4847

Protanopia

18.4254, 0.4003, 0.4357

Deuteranopia

18.4966, 0.4116, 0.4050



Tritanopia

18.5383, 0.2576, 0.3086

Trichromacy



Original Color

18.6608, 0.3081, 0.4847

Protanomaly

18.0143, 0.3625, 0.4541

Deuteranomaly

17.8740, 0.3693, 0.4338

Tritanomaly

18.4460, 0.2770, 0.3701

Monochromacy



Original Color

18.6608, 0.3081, 0.4847

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.5214, 0.3113, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6608, 0.3081, 0.4847 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(68, 134, 65)` looks like.

```
.text, #text, p{  
  color:rgb(68, 134, 65)  
}
```

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(68, 134, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 134, 65) }
```

Border

The CSS property to change the border of an element to Yxy 18.6608, 0.3081, 0.4847 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(68, 134, 65) }
```

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

```
.border{ border-color:rgb(68, 134, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 134, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 134, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 134, 65);  
box-shadow:4px 4px 4px 4px rgb(68, 134,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6608, 0.3081, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 134, 65) }
```

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

```
.background{ background-color: rgb(68, 134,  
65) }
```

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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