

Converting Colors

$Y_{xy}(18.1562, 0.3043, 0.4547)$

Have a look what the booklet for
Yxy(18.1562, 0.3043, 0.4547)
contains.

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Color

Yxy(18.1709, 0.3039, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	49834C
RGB	73, 131, 76
RGB Percent	29%, 51%, 30%
CMY	0.7137, 0.4863, 0.7020
CMYK	0.44, 0.00, 0.42, 0.49
HSL	123°, 28%, 40%
HSV	123°, 44%, 51%
XYZ	12.1687, 18.1709, 9.7021
YIQ	107.3880, -16.9130, -29.4010

Conversions

Conversions Part 2

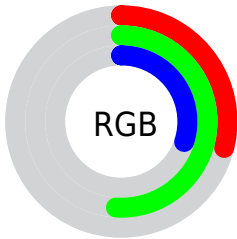
Format	Color
R_{YB}	73, 128, 131
Decimal	4817740
CIE _{Lab}	49.70, -31.20, 23.95
CIE _{LCh}	50, 39.332, 142.488
Yxy	18.1709, 0.3039, 0.4538
Android (android.graphics.Color)	4283007820 (0xFF49834C)
YUV	107.3880, -15.4743, -30.1583
Hunter-Lab	42.6273, -23.6422, 16.3446

Details

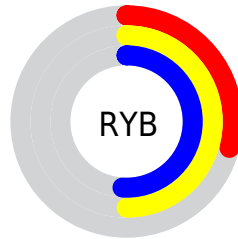
The Yxy color **18.1709, 0.3039, 0.4538** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1505, 0.3222, 0.2297**, and the grayscale version is **14.8644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1473, 0.3076, 0.4206**, and **6.1273, 0.2931, 0.5183** is the 20% darker color. If you saturate the color by 10%, you get **17.5562, 0.3021, 0.4871**, and if you desaturate by 10%, it is **18.9283, 0.3059, 0.4213**.

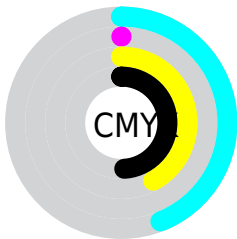
Distribution



- Red (29%)
- Green (51%)
- Blue (30%)



- Red (29%)
- Yellow (50%)
- Blue (51%)



- Cyan (44%)
- Magenta (0%)
- Yellow (42%)
- Black (49%)





- Cyan (71%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1709, 0.3039, 0.4538 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 18.1709, 0.3039, 0.4538 by changing the saturation by 10% instead.


 18.1709, 0.3039,
0.4538

 18.1709, 0.3039,
0.4538


241.8326, 0.3113,
0.3778


 11.0728, 0.3000,
0.4793


 40.3283, 0.3078,
0.4219


 6.1158, 0.2930,
0.5171

 56.1564, 0.3088,
0.4114

 2.9156, 0.2797,
0.5807

 75.6632, 0.3096,
0.4029

 1.0878, 0.1925,
0.8075

 99.2332, 0.3101,
0.3961

 0.0000, 0.0000,
0.0000

 127.2507, 0.3105,
0.3903

160.1002, 0.3109,

0.3855

198.1660, 0.3111,
0.3814

■ 18.1709, 0.3039,
0.4538

■ 18.1709, 0.3039,
0.4538

■ 17.5562, 0.3021,
0.4871

■ 18.9283, 0.3059,
0.4213

■ 17.0732, 0.3005,
0.5193

■ 19.8341, 0.3080,
0.3909

■ 16.7129, 0.2995,
0.5483


■ 20.8965, 0.3100,
0.3632

■ 16.4642, 0.2990,
0.5719

■ 22.1225, 0.3119,
0.3386

■ 16.3130, 0.2990,
0.5884


■ 23.5185, 0.3137,
0.3170

 16.2480, 0.2986,
0.5951

 25.0906, 0.3154,
0.2981

 26.8447, 0.3169,
0.2818

 28.7865, 0.3182,
0.2677

 30.9211, 0.3194,
0.2556

Harmonies

Analogous

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



18.1709, 0.3756, 0.4655



18.1709, 0.3039, 0.4538



18.1709, 0.2384, 0.3911

Triad

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



18.1709, 0.3039, 0.4538



18.1709, 0.1980, 0.2201



18.1709, 0.4439, 0.3252

Complementary

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



18.1709, 0.3039, 0.4538



11.1505, 0.3222, 0.2297

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.



18.1709, 0.3841, 0.2745



18.1709, 0.3039, 0.4538



18.1709, 0.2403, 0.2165

Square

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



18.1709, 0.3039, 0.4538



18.1709, 0.1828, 0.2507



18.1709, 0.3070, 0.2361



18.1709, 0.4616, 0.3807

Rectangle

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



18.1709, 0.3039, 0.4538



18.1709, 0.2069, 0.3371



18.1709, 0.3070, 0.2361



18.1709, 0.4278, 0.3074

Sweetspot

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



18.1717, 0.3039, 0.4538



37.6199, 0.3102, 0.3607



21.3115, 0.3721, 0.4349



8.6659, 0.3098, 0.3658



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.



18.1717, 0.3039, 0.4538



31.4430, 0.3021, 0.4869



18.6679, 0.2776, 0.3864



5.2084, 0.3110, 0.3502



15.9932, 0.2986, 0.5951



0.0556, 0.2926, 0.5733

Inverse Universe

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



11.1505, 0.3222, 0.2297



17.1824, 0.3245, 0.2100



10.4944, 0.3722, 0.2790



4.7588, 0.3144, 0.3087



6.1887, 0.3338, 0.1613



0.0218, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 18.1709, 0.3039, 0.4538 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 18.1709, 0.3039, 0.4538 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 18.1709, 0.3039, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 18.1709, 0.3039, 0.4538.



This preview shows how white text looks on a background with the Yxy color 18.1709, 0.3039, 0.4538.

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

18.1709, 0.3039, 0.4538

Protanopia

18.0789, 0.3848, 0.4173

Deuteranopia

18.0522, 0.3944, 0.3882



Tritanopia

18.0678, 0.2605, 0.3085

Trichromacy



Original Color

18.1709, 0.3039, 0.4538

Protanomaly

17.8982, 0.3518, 0.4315

Deuteranomaly

17.7105, 0.3561, 0.4114

Tritanomaly

18.1203, 0.2767, 0.3590

Monochromacy



Original Color

18.1709, 0.3039, 0.4538

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7682, 0.3094, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1709, 0.3039, 0.4538 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(73, 131, 76)` looks like.

```
.text, #text, p{  
    color:rgb(73, 131, 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(73, 131, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 131, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.1709, 0.3039, 0.4538 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(73, 131, 76) }
```

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

```
.border{ border-color:rgb(73, 131, 76) }
```

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

Here you see how a box with a 4 pixel rgb(73, 131, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 131, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 131, 76);  
box-shadow:4px 4px 4px 4px rgb(73, 131,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1709, 0.3039, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 131, 76) }
```

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

```
.background{ background-color: rgb(73, 131,  
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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