

Converting Colors

$Y_{xy}(18.5505, 0.3038, 0.4905)$

Have a look what the booklet for
Yxy(18.5505, 0.3038, 0.4905)
contains.

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Color

Yxy(18.4445, 0.3035, 0.4894)

Conversions

Conversions Part 1

Format	Color
Hex	3E8640
RGB	62, 134, 64
RGB Percent	24%, 53%, 25%
CMY	0.7567, 0.4745, 0.7491
CMYK	0.54, 0.00, 0.52, 0.47
HSL	122°, 37%, 38%
HSV	122°, 54%, 53%
XYZ	11.4383, 18.4445, 7.8052
YIQ	104.4920, -20.4420, -37.0340

Conversions

Conversions Part 2

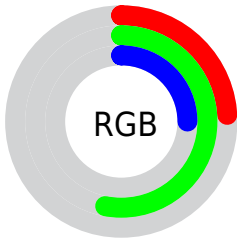
Format	Color
R_{YB}	62, 132, 134
Decimal	4097600
CIE _{Lab}	50.03, -37.76, 30.76
CIE _{LCh}	50, 48.706, 140.828
Yxy	18.4445, 0.3035, 0.4894
Android (android.graphics.Color)	4282287680 (0xFF3E8640)
YUV	104.4920, -19.9626, -37.2655
Hunter-Lab	42.9471, -27.6166, 19.2876

Details

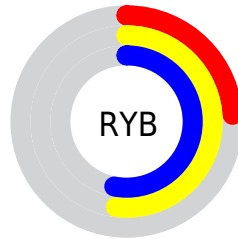
The Yxy color **18.4445, 0.3035, 0.4894** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1846, 0.3216, 0.2083**, and the grayscale version is **14.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8035, 0.3085, 0.4491**, and **6.2270, 0.2908, 0.5668** is the 20% darker color. If you saturate the color by 10%, you get **17.9325, 0.3020, 0.5221**, and if you desaturate by 10%, it is **19.0996, 0.3052, 0.4554**.

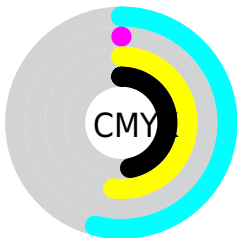
Distribution



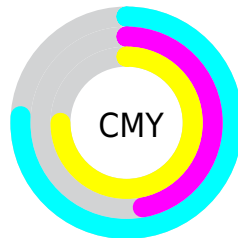
- Red (24%)
- Green (53%)
- Blue (25%)



- Red (24%)
- Yellow (52%)
- Blue (53%)



- Cyan (54%)
- Magenta (0%)
- Yellow (52%)
- Black (47%)




- Cyan (76%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4445, 0.3035, 0.4894 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 18.4445, 0.3035, 0.4894 by changing the saturation by 10% instead.


 18.4445, 0.3035,
0.4894


 18.4445, 0.3035,
0.4894


243.3647, 0.3127,
0.3913


 11.2696, 0.2980,
0.5221


 40.7933, 0.3087,
0.4483

 6.2485, 0.2876,
0.5699


 56.7360, 0.3100,
0.4346


 2.9967, 0.2747,
0.6666

 76.3700, 0.3109,
0.4237

 1.1300, 0.1058,
0.8942

 100.0798, 0.3115,
0.4148

 0.0034, 0.0000,
1.0000

 128.2498, 0.3120,
0.4074

 0.0000, 0.0000,
0.0000

 161.2643, 0.3123,

0.4012

199.5078, 0.3125,
0.3959

■ 18.4445, 0.3035,
0.4894

■ 18.4445, 0.3035,
0.4894

■ 17.9325, 0.3020,
0.5221

■ 19.0996, 0.3052,
0.4554

■ 17.5508, 0.3008,
0.5513

■ 19.9049, 0.3071,
0.4222

■ 17.2884, 0.3000,
0.5746

■ 20.8697, 0.3089,
0.3910

■ 17.1306, 0.2997,
0.5904

■ 22.0020, 0.3106,
0.3627

■ 17.0580, 0.2993,
0.5975

■ 23.3093, 0.3122,
0.3375

■ 24.7985, 0.3136,
0.3155

■ 26.4761, 0.3149,
0.2963

■ 28.3485, 0.3161,
0.2797

■ 30.4217, 0.3171,
0.2655

Harmonies

Analogous

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



18.4445, 0.3892, 0.4944



18.4445, 0.3035, 0.4894



18.4445, 0.2248, 0.4121

Triad

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



18.4445, 0.3035, 0.4894



18.4445, 0.1747, 0.1997



18.4445, 0.4714, 0.3178

Complementary

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



18.4445, 0.3035, 0.4894



10.1846, 0.3216, 0.2083

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.



18.4445, 0.3948, 0.2601



18.4445, 0.3035, 0.4894



18.4445, 0.2216, 0.1953

Square

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



18.4445, 0.3035, 0.4894



18.4445, 0.1588, 0.2355



18.4445, 0.2994, 0.2168



18.4445, 0.4939, 0.3819

Rectangle

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



18.4445, 0.3035, 0.4894



18.4445, 0.1874, 0.3424



18.4445, 0.2994, 0.2168



18.4445, 0.4506, 0.2975

Sweetspot

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



18.4453, 0.3035, 0.4894



38.2083, 0.3101, 0.3699



22.3685, 0.3863, 0.4539



8.5292, 0.3098, 0.3747



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.



18.4453, 0.3035, 0.4894



31.4653, 0.3017, 0.5274



18.9803, 0.2741, 0.4073



5.2066, 0.3113, 0.3508



15.9863, 0.2993, 0.5974



0.0555, 0.2960, 0.5856

Inverse Universe

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



10.1846, 0.3216, 0.2083



15.3386, 0.3235, 0.1882



9.3769, 0.3868, 0.2646



4.7607, 0.3141, 0.3082



6.2698, 0.3276, 0.1578



0.0219, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 18.4445, 0.3035, 0.4894 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 18.4445, 0.3035, 0.4894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

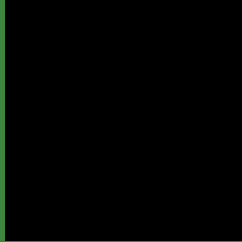
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4445, 0.3035, 0.4894

Background



This preview shows how black text looks on a background with the Yxy color 18.4445, 0.3035, 0.4894.



This preview shows how white text looks on a background with the Yxy color 18.4445, 0.3035, 0.4894.

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

18.4445, 0.3035, 0.4894

Protanopia

18.0979, 0.4009, 0.4363

Deuteranopia

18.1692, 0.4124, 0.4054



Tritanopia

18.3190, 0.2533, 0.3084

Trichromacy



Original Color

18.4445, 0.3035, 0.4894

Protanomaly

17.8164, 0.3595, 0.4577

Deuteranomaly

17.6574, 0.3662, 0.4372

Tritanomaly

18.2040, 0.2716, 0.3707

Monochromacy



Original Color

18.4445, 0.3035, 0.4894

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.3528, 0.3087, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4445, 0.3035, 0.4894 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(62, 134, 64)` looks like.

```
.text, #text, p{  
    color:rgb(62, 134, 64)  
}
```

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(62, 134, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 134, 64) }
```

Border

The CSS property to change the border of an element to Yxy 18.4445, 0.3035, 0.4894 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(62, 134, 64) }
```

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

```
.border{ border-color:rgb(62, 134, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 134, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 134, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 134, 64);  
box-shadow:4px 4px 4px 4px rgb(62, 134,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4445, 0.3035, 0.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 134, 64) }
```

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

```
.background{ background-color: rgb(62, 134,  
64) }
```

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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