

Converting Colors

$Y_{xy}(18.2277, 0.3011, 0.4822)$

Have a look what the booklet for
Yxy(18.2277, 0.3011, 0.4822)
contains.

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Color

Yxy(18.2044, 0.3011, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	3E8543
RGB	62, 133, 67
RGB Percent	24%, 52%, 26%
CMY	0.7570, 0.4784, 0.7372
CMYK	0.53, 0.00, 0.50, 0.48
HSL	124°, 36%, 38%
HSV	124°, 53%, 52%
XYZ	11.3863, 18.2044, 8.2249
YIQ	104.2470, -21.1300, -35.5780

Conversions

Conversions Part 2

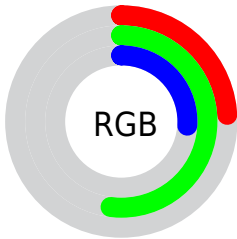
Format	Color
RYB	62, 128, 133
Decimal	4097347
CIELab	49.74, -36.89, 28.81
CIELCh	50, 46.807, 142.019
Yxy	18.2044, 0.3011, 0.4814
Android (android.graphics.Color)	4282287427 (0xFF3E8543)
YUV	104.2470, -18.3628, -37.0506
Hunter-Lab	42.6666, -27.0310, 18.4372

Details

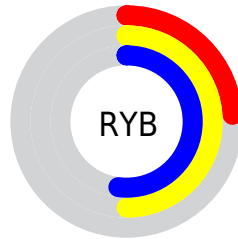
The Yxy color **18.2044, 0.3011, 0.4814** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9874, 0.3266, 0.2134**, and the grayscale version is **13.9664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4464, 0.3066, 0.4430**, and **6.0887, 0.2877, 0.5555** is the 20% darker color. If you saturate the color by 10%, you get **17.6939, 0.2995, 0.5135**, and if you desaturate by 10%, it is **18.8534, 0.3031, 0.4486**.

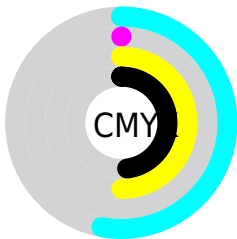
Distribution



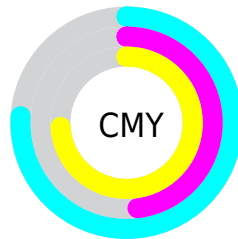
- Red (24%)
- Green (52%)
- Blue (26%)



- Red (24%)
- Yellow (50%)
- Blue (52%)



- Cyan (53%)
- Magenta (0%)
- Yellow (50%)
- Black (48%)




- Cyan (76%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2044, 0.3011, 0.4814 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 18.2044, 0.3011, 0.4814 by changing the saturation by 10% instead.


 18.2044, 0.3011,
0.4814

 18.2044, 0.3011,
0.4814


242.0206, 0.3113,
0.3881


 11.0968, 0.2955,
0.5127


 40.3853, 0.3065,
0.4422


 6.1320, 0.2854,
0.5590

 56.2274, 0.3080,
0.4292

 2.9255, 0.2709,
0.6480

 75.7499, 0.3090,
0.4188

 1.0930, 0.1023,
0.8977

 99.3370, 0.3097,
0.4104

 0.0000, 0.0000,
0.0000

 127.3733, 0.3103,
0.4034

160.2431, 0.3107,

0.3975

198.3307, 0.3110,
0.3924

■ 18.2044, 0.3011,
0.4814

■ 18.2044, 0.3011,
0.4814

■ 17.6939, 0.2995,
0.5135

■ 18.8534, 0.3031,
0.4486

■ 17.3096, 0.2985,
0.5429

■ 19.6473, 0.3053,
0.4169

■ 17.0413, 0.2981,
0.5673

■ 20.5953, 0.3076,
0.3872

■ 16.8754, 0.2984,
0.5852

■ 21.7046, 0.3098,
0.3604

■ 16.7971, 0.2982,
0.5934

■ 22.9825, 0.3120,
0.3365

■ 24.4355, 0.3141,
0.3155

■ 26.0699, 0.3159,
0.2972

■ 27.8917, 0.3177,
0.2814

■ 29.9064, 0.3193,
0.2677

Harmonies

Analogous

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



18.2044, 0.3845, 0.4901



18.2044, 0.3011, 0.4814



18.2044, 0.2253, 0.4051

Triad

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



18.2044, 0.3011, 0.4814



18.2044, 0.1798, 0.2028



18.2044, 0.4679, 0.3211

Complementary

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



18.2044, 0.3011, 0.4814



9.9874, 0.3266, 0.2134

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.



18.2044, 0.3957, 0.2642



18.2044, 0.3011, 0.4814



18.2044, 0.2269, 0.1993

Square

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



18.2044, 0.3011, 0.4814



18.2044, 0.1631, 0.2367



18.2044, 0.3036, 0.2212



18.2044, 0.4878, 0.3839

Rectangle

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



18.2044, 0.3011, 0.4814



18.2044, 0.1896, 0.3384



18.2044, 0.3036, 0.2212



18.2044, 0.4485, 0.3011

Sweetspot

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



18.2052, 0.3011, 0.4814



38.2464, 0.3092, 0.3680



21.7341, 0.3814, 0.4554



8.5385, 0.3088, 0.3726



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.



18.2052, 0.3011, 0.4814



31.5245, 0.2993, 0.5198



18.7636, 0.2713, 0.3982



5.2097, 0.3108, 0.3498



15.9988, 0.2981, 0.5933



0.0558, 0.2900, 0.5640

Inverse Universe

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



9.9874, 0.3266, 0.2134



15.1577, 0.3301, 0.1931



9.2156, 0.3935, 0.2715



4.7573, 0.3147, 0.3091



6.1263, 0.3390, 0.1641



0.0216, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 18.2044, 0.3011, 0.4814 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 18.2044, 0.3011, 0.4814 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 18.2044, 0.3011, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 18.2044, 0.3011, 0.4814.



This preview shows how white text looks on a background with the Yxy color 18.2044, 0.3011, 0.4814.

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

18.2044, 0.3011, 0.4814

Protanopia

18.0505, 0.3963, 0.4321

Deuteranopia

17.8070, 0.4068, 0.3998



Tritanopia

18.0645, 0.2530, 0.3063

Trichromacy



Original Color

18.2044, 0.3011, 0.4814

Protanomaly

17.5393, 0.3558, 0.4511

Deuteranomaly

17.3858, 0.3622, 0.4304

Tritanomaly

17.9638, 0.2705, 0.3664

Monochromacy



Original Color

18.2044, 0.3011, 0.4814

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.1406, 0.3076, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2044, 0.3011, 0.4814 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, 133, 67)` looks like.

```
.text, #text, p{  
    color:rgb(62, 133, 67)  
}
```

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, 133, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 133, 67) }
```

Border

The CSS property to change the border of an element to Yxy 18.2044, 0.3011, 0.4814 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, 133, 67) }
```

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

```
.border{ border-color:rgb(62, 133, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 133, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 133, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 133, 67);  
box-shadow:4px 4px 4px 4px rgb(62, 133,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2044, 0.3011, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 133, 67) }
```

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

```
.background{ background-color: rgb(62, 133,  
67) }
```

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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