

Converting Colors

$Y_{xy}(14.8234, 0.3021, 0.4159)$

Have a look what the booklet for
Yxy(14.8234, 0.3021, 0.4159)
contains.

Yxy(14.8125, 0.3016, 0.4156)	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(14.8125, 0.3016, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	4B7551
RGB	75, 117, 81
RGB Percent	29%, 46%, 32%
CMY	0.7058, 0.5412, 0.6823
CMYK	0.36, 0.00, 0.31, 0.54
HSL	129°, 22%, 38%
HSV	129°, 36%, 46%
XYZ	10.7494, 14.8125, 10.0793
YIQ	100.3380, -13.4760, -20.1000

Conversions

Conversions Part 2

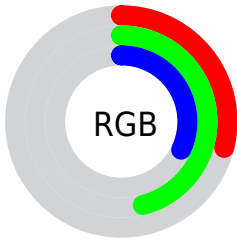
Format	Color
RYB	75, 112, 117
Decimal	4945233
CIELab	45.38, -22.76, 15.35
CIElCh	45, 27.448, 146.002
Yxy	14.8125, 0.3016, 0.4156
Android (android.graphics.Color)	4283135313 (0xFF4B7551)
YUV	100.3380, -9.5336, -22.2214
Hunter-Lab	38.4870, -17.4973, 11.4135

Details

The Yxy color **14.8125, 0.3016, 0.4156** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.9640, 0.3264, 0.2556**, and the grayscale version is **12.8637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3746, 0.3045, 0.3914**, and **4.4946, 0.2920, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **14.2443, 0.2989, 0.4449**, and if you desaturate by 10%, it is **15.4910, 0.3046, 0.3882**.

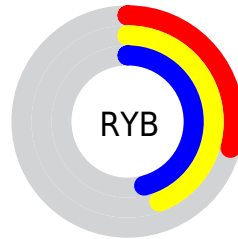
Distribution



Red (29%)

Green (46%)

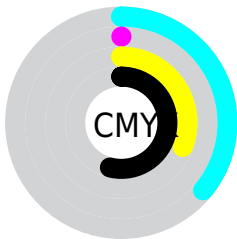
Blue (32%)



Red (29%)

Yellow (44%)

Blue (46%)

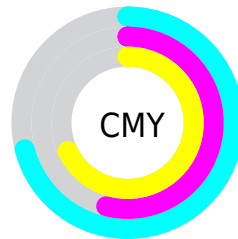


Cyan (36%)

Magenta (0%)

Yellow (31%)

Black (54%)



Cyan (71%)


Magenta (54%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8125, 0.3016, 0.4156 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 14.8125, 0.3016, 0.4156 by changing the saturation by 10% instead.


 14.8125, 0.3016,
0.4156


 14.8125, 0.3016,
0.4156


222.2285, 0.3093,
0.3620

 8.6879, 0.2983,
0.4344


 34.5239, 0.3052,
0.3927


 4.5382, 0.2925,
0.4635

 48.8795, 0.3063,
0.3853


 1.9789, 0.2817,
0.5151

 66.7476, 0.3071,
0.3794

 0.5952, 0.0169,
0.9831

 88.5125, 0.3078,
0.3746

 0.0000, 0.0000,
0.0000

 114.5586, 0.3083,
0.3706

145.2704, 0.3087,

0.3673

181.0323, 0.3090,
0.3645

■ 14.8125, 0.3016,
0.4156

■ 14.8125, 0.3016,
0.4156

■ 14.2443, 0.2989,
0.4449

■ 15.4910, 0.3046,
0.3882

■ 13.7787, 0.2966,
0.4753

■ 16.2832, 0.3078,
0.3633

■ 13.4101, 0.2950,
0.5053


■ 17.1947, 0.3109,
0.3409

■ 13.1316, 0.2943,
0.5334


■ 18.2301, 0.3140,
0.3212


■ 12.9353, 0.2945,
0.5578

■ 19.3939, 0.3169,
0.3039

 12.8070, 0.2954,
0.5771

 20.6903, 0.3196,
0.2888

 12.7619, 0.2955,
0.5837

 22.1233, 0.3221,
0.2757

 23.6967, 0.3245,
0.2643

 25.4142, 0.3267,
0.2544

Harmonies

Analogous

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



14.8125, 0.3566, 0.4315



14.8125, 0.3016, 0.4156



14.8125, 0.2522, 0.3682

Triad

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



14.8125, 0.3016, 0.4156



14.8125, 0.2267, 0.2438



14.8125, 0.4140, 0.3333

Complementary

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



14.8125, 0.3016, 0.4156



9.9640, 0.3264, 0.2556

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.



14.8125, 0.3728, 0.2919



14.8125, 0.3016, 0.4156



14.8125, 0.2631, 0.2423

Square

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



14.8125, 0.3016, 0.4156



14.8125, 0.2120, 0.2668



14.8125, 0.3160, 0.2596



14.8125, 0.4244, 0.3770

Rectangle

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



14.8125, 0.3016, 0.4156



14.8125, 0.2287, 0.3297



14.8125, 0.3160, 0.2596



14.8125, 0.4031, 0.3189

Sweetspot

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



14.8131, 0.3016, 0.4156



29.8826, 0.3092, 0.3527



16.6362, 0.3560, 0.4160



6.8327, 0.3089, 0.3550



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.8131, 0.3016, 0.4156



25.6746, 0.2993, 0.4396



15.1704, 0.2799, 0.3647



4.1059, 0.3099, 0.3477



14.0595, 0.2956, 0.5843



68.4346, 0.2973, 0.5903

Inverse Universe

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



9.9640, 0.3264, 0.2556



15.6243, 0.3303, 0.2393



9.5614, 0.3631, 0.2963



3.7494, 0.3156, 0.3110



5.1851, 0.3591, 0.1752



25.1713, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 14.8125, 0.3016, 0.4156 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 14.8125, 0.3016, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

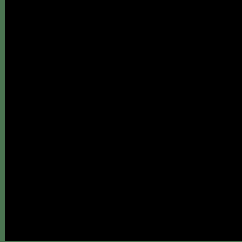
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8125, 0.3016, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 14.8125, 0.3016, 0.4156.



This preview shows how white text looks on a background with the Yxy color 14.8125, 0.3016, 0.4156.

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

14.8125, 0.3016, 0.4156

Protanopia

14.6960, 0.3645, 0.3919

Deuteranopia

14.7006, 0.3723, 0.3671



Tritanopia

14.8078, 0.2675, 0.3092

Trichromacy



Original Color

14.8125, 0.3016, 0.4156

Protanomaly

14.6283, 0.3390, 0.4027

Deuteranomaly

14.4755, 0.3440, 0.3834

Tritanomaly

14.7807, 0.2802, 0.3472

Monochromacy



Original Color

14.8125, 0.3016, 0.4156

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.3225, 0.3085, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8125, 0.3016, 0.4156 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(75, 117, 81)` looks like.

```
.text, #text, p{  
  color:rgb(75, 117, 81)  
}
```

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(75, 117, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 117, 81) }
```

Border

The CSS property to change the border of an element to Yxy 14.8125, 0.3016, 0.4156 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(75, 117, 81) }
```

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

```
.border{ border-color:rgb(75, 117, 81) }
```

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

Here you see how a box with a 4 pixel rgb(75, 117, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 117, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 117, 81);  
box-shadow:4px 4px 4px 4px rgb(75, 117,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8125, 0.3016, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 117, 81) }
```

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

```
.background{ background-color: rgb(75, 117,  
81) }
```

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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