

Converting Colors

$Yxy(16.2194, 0.2645, 0.4068)$

Have a look what the booklet for
Yxy(16.2194, 0.2645, 0.4068)
contains.

Yxy(16.3107, 0.2646, 0.4068)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3107, 0.2646, 0.4068)

Conversions

Conversions Part 1

Format	Color
Hex	2E7E5E
RGB	46, 126, 94
RGB Percent	18%, 49%, 37%
CMY	0.8194, 0.5059, 0.6314
CMYK	0.63, 0.00, 0.25, 0.51
HSL	156°, 46%, 34%
HSV	156°, 63%, 49%
XYZ	10.6092, 16.3107, 13.1753
YIQ	98.4320, -37.4080, -26.9120

Conversions

Conversions Part 2

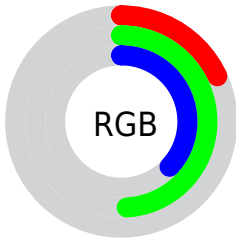
Format	Color
RYB	46, 96, 126
Decimal	3047006
CIELab	47.38, -32.45, 10.35
CIELCh	47, 34.057, 162.304
Yxy	16.3107, 0.2646, 0.4068
Android (android.graphics.Color)	4281237086 (0xFF2E7E5E)
YUV	98.4320, -2.1850, -45.9829
Hunter-Lab	40.3865, -23.7860, 8.9284

Details

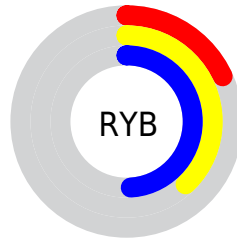
The Yxy color **16.3107, 0.2646, 0.4068** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.9448, 0.4234, 0.2683**, and the grayscale version is **12.3436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0205, 0.2772, 0.3869**, and **5.3823, 0.2562, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **15.9725, 0.2615, 0.4217**, and if you desaturate by 10%, it is **16.7421, 0.2694, 0.3923**.

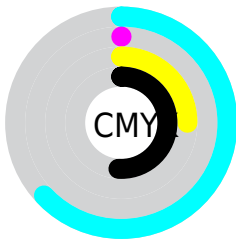
Distribution



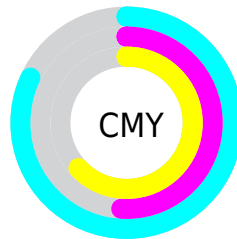
- Red (18%)
- Green (49%)
- Blue (37%)



- Red (18%)
- Yellow (38%)
- Blue (49%)



- Cyan (63%)
- Magenta (0%)
- Yellow (25%)
- Black (51%)





- Cyan (82%)
- Magenta (51%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3107, 0.2646, 0.4068 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 16.3107, 0.2646, 0.4068 by changing the saturation by 10% instead.


 16.3107, 0.2646,
0.4068


 16.3107, 0.2646,
0.4068


231.1682, 0.2937,
0.3593


 9.7443, 0.2549,
0.4231


 37.1368, 0.2767,
0.3867


 5.2297, 0.2403,
0.4478

 52.1652, 0.2808,
0.3801

 2.3827, 0.2162,
0.4897

 70.7831, 0.2840,
0.3749

 0.8170, 0.0000,
0.8313

 93.3748, 0.2866,
0.3706

 0.0000, 0.0000,
0.0000

 120.3248, 0.2888,
0.3671

 152.0174, 0.2907,

0.3641

188.8371, 0.2923,
0.3615

■ 16.3107, 0.2646,
0.4068

■ 16.3107, 0.2646,
0.4068

■ 15.9725, 0.2615,
0.4217

■ 16.7421, 0.2694,
0.3923

■ 15.7176, 0.2602,
0.4368

■ 17.2716, 0.2756,
0.3784

■ 15.5369, 0.2607,
0.4516

■ 17.9062, 0.2830,
0.3654

■ 15.4368, 0.2615,
0.4614

■ 18.6516, 0.2913,
0.3533

■ 19.5130, 0.3002,
0.3423

■ 20.4955, 0.3095,
0.3322

■ 21.6036, 0.3189,
0.3232

■ 22.8419, 0.3283,
0.3152

■ 24.2144, 0.3376,
0.3081

Harmonies

Analogous

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



16.3107, 0.3281, 0.4491



16.3107, 0.2646, 0.4068



16.3107, 0.2172, 0.3374

Triad

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



16.3107, 0.2646, 0.4068



16.3107, 0.2313, 0.2250



16.3107, 0.4461, 0.3603

Complementary

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



16.3107, 0.2646, 0.4068



6.9448, 0.4234, 0.2683

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.



16.3107, 0.4157, 0.3098



16.3107, 0.2646, 0.4068



16.3107, 0.2855, 0.2359

Square

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



16.3107, 0.2646, 0.4068



16.3107, 0.2005, 0.2369



16.3107, 0.3540, 0.2660



16.3107, 0.4353, 0.4097

Rectangle

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



16.3107, 0.2646, 0.4068



16.3107, 0.1996, 0.2933



16.3107, 0.3540, 0.2660



16.3107, 0.4405, 0.3432

Sweetspot

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



16.3114, 0.2646, 0.4068



33.4138, 0.2948, 0.3488



16.7970, 0.3372, 0.5052



7.5212, 0.2927, 0.3514



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.3114, 0.2646, 0.4068



27.9044, 0.2607, 0.4282



15.3623, 0.2354, 0.3136



4.8586, 0.3042, 0.3378



15.8362, 0.2615, 0.4615



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9448, 0.4234, 0.2683



9.9883, 0.4642, 0.2624



7.1537, 0.4947, 0.3417



4.3706, 0.3221, 0.3204



4.7900, 0.5301, 0.2694



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3107, 0.2646, 0.4068 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 16.3107, 0.2646, 0.4068 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 16.3107, 0.2646, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 16.3107, 0.2646, 0.4068.



This preview shows how white text looks on a background with the Yxy color 16.3107, 0.2646, 0.4068.

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

16.3107, 0.2646, 0.4068

Protanopia

16.1984, 0.3544, 0.3796

Deuteranopia

16.1190, 0.3529, 0.3486



Tritanopia

16.2432, 0.2407, 0.3070

Trichromacy



Original Color

16.3107, 0.2646, 0.4068

Protanomaly

15.7361, 0.3124, 0.3895

Deuteranomaly

15.7212, 0.3122, 0.3683

Tritanomaly

16.2582, 0.2485, 0.3402

Monochromacy



Original Color

16.3107, 0.2646, 0.4068

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.2505, 0.2881, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3107, 0.2646, 0.4068 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(46, 126, 94)` looks like.

```
.text, #text, p{  
    color:rgb(46, 126, 94)  
}
```

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(46, 126, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 126, 94) }
```

Border

The CSS property to change the border of an element to Yxy 16.3107, 0.2646, 0.4068 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(46, 126, 94) }
```

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

```
.border{ border-color:rgb(46, 126, 94) }
```

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

Here you see how a box with a 4 pixel rgb(46, 126, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 126, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 126, 94);  
box-shadow:4px 4px 4px 4px rgb(46, 126,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3107, 0.2646, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 126, 94) }
```

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

```
.background{ background-color: rgb(46, 126,  
94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor