

Converting Colors

$Y_{xy}(16.4643, 0.3406, 0.4182)$

Have a look what the booklet for
Yxy(16.4643, 0.3406, 0.4182)
contains.

Yxy(16.5543, 0.3398, 0.4193)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.5543, 0.3398, 0.4193)

Conversions

Conversions Part 1

Format	Color
Hex	66774D
RGB	102, 119, 77
RGB Percent	40%, 47%, 30%
CMY	0.6000, 0.5333, 0.6980
CMYK	0.14, 0.00, 0.35, 0.53
HSL	84°, 21%, 38%
HSV	84°, 35%, 47%
XYZ	13.4156, 16.5543, 9.5109
YIQ	109.1290, 3.3500, -16.6660

Conversions

Conversions Part 2

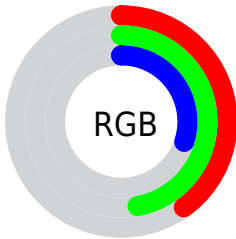
Format	Color
RYB	77, 119, 94
Decimal	6715213
CIELab	47.69, -14.21, 21.08
CIELCh	48, 25.419, 123.986
Yxy	16.5543, 0.3398, 0.4193
Android (android.graphics.Color)	4284905293 (0xFF66774D)
YUV	109.1290, -15.8396, -6.2521
Hunter-Lab	40.6870, -12.3460, 14.6213

Details

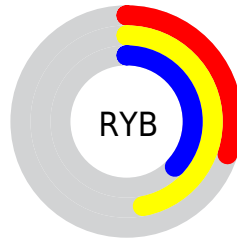
The Yxy color **16.5543, 0.3398, 0.4193** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0218, 0.2771, 0.2358**, and the grayscale version is **15.3768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5022, 0.3351, 0.3970**, and **5.3950, 0.3471, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **16.1285, 0.3463, 0.4467**, and if you desaturate by 10%, it is **17.0287, 0.3325, 0.3922**.

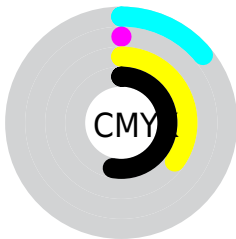
Distribution



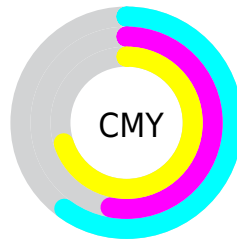
- Red (40%)
- Green (47%)
- Blue (30%)



- Red (30%)
- Yellow (47%)
- Blue (37%)



- Cyan (14%)
- Magenta (0%)
- Yellow (35%)
- Black (53%)




- Cyan (60%)
- Magenta (53%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5543, 0.3398, 0.4193 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 16.5543, 0.3398, 0.4193 by changing the saturation by 10% instead.


 16.5543, 0.3398,
0.4193


 16.5543, 0.3398,
0.4193


232.5907, 0.3251,
0.3650


 9.9172, 0.3436,
0.4372


 37.5579, 0.3343,
0.3967


 5.3441, 0.3481,
0.4634

 52.6931, 0.3322,
0.3892

 2.4505, 0.3548,
0.5084

 71.4299, 0.3305,
0.3831

 0.8517, 0.3520,
0.6480

 94.1527, 0.3291,
0.3782

 0.0000, 0.0000,
0.0000

 121.2457, 0.3279,
0.3741

153.0935, 0.3268,

0.3706

190.0803, 0.3259,
0.3676

■ 16.5543, 0.3398,
0.4193

■ 16.5543, 0.3398,
0.4193

■ 16.1285, 0.3463,
0.4467

■ 17.0287, 0.3325,
0.3922

■ 15.7472, 0.3516,
0.4735

■ 17.5513, 0.3247,
0.3660

■ 15.4089, 0.3553,
0.4984


■ 18.1247, 0.3169,
0.3413


■ 15.1113, 0.3570,
0.5204


■ 18.7503, 0.3091,
0.3184


■ 14.8519, 0.3565,
0.5384

■ 19.4297, 0.3015,
0.2974

 14.6262, 0.3540,
0.5520

 20.1645, 0.2943,
0.2783

 14.5267, 0.3527,
0.5581

 20.9559, 0.2876,
0.2611

 21.8054, 0.2812,
0.2455

 22.7142, 0.2753,
0.2316

Harmonies

Analogous

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



16.5543, 0.3840, 0.4119



16.5543, 0.3398, 0.4193



16.5543, 0.2904, 0.3965

Triad

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



16.5543, 0.3398, 0.4193



16.5543, 0.2233, 0.2660



16.5543, 0.3782, 0.3052

Complementary

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



16.5543, 0.3398, 0.4193



9.0218, 0.2771, 0.2358

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.



16.5543, 0.3298, 0.2730



16.5543, 0.3398, 0.4193



16.5543, 0.2423, 0.2500

Square

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



16.5543, 0.3398, 0.4193



16.5543, 0.2255, 0.3015



16.5543, 0.2800, 0.2532



16.5543, 0.4085, 0.3442

Rectangle

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



16.5543, 0.3398, 0.4193



16.5543, 0.2612, 0.3673



16.5543, 0.2800, 0.2532



16.5543, 0.3633, 0.2934

Sweetspot

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



16.5550, 0.3398, 0.4193



31.8277, 0.3216, 0.3559



12.4294, 0.3793, 0.3645



7.5174, 0.3224, 0.3586



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.5550, 0.3398, 0.4193



29.0420, 0.3450, 0.4407



15.4892, 0.3130, 0.4273



4.1958, 0.3198, 0.3503



15.4270, 0.3526, 0.5583



74.6681, 0.3492, 0.5609

Inverse Universe

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



9.0218, 0.2771, 0.2358



13.4943, 0.2671, 0.2129



10.2727, 0.3098, 0.2443



3.6556, 0.3052, 0.3075



2.0826, 0.1887, 0.0813



9.6756, 0.1835, 0.0784

Previews

White Background



This preview shows how the Yxy color 16.5543, 0.3398, 0.4193 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 16.5543, 0.3398, 0.4193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

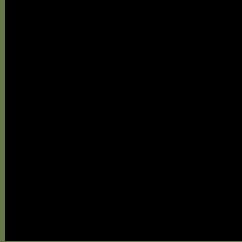
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5543, 0.3398, 0.4193

Background



This preview shows how black text looks on a background with the Yxy color 16.5543, 0.3398, 0.4193.



This preview shows how white text looks on a background with the Yxy color 16.5543, 0.3398, 0.4193.

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

16.5543, 0.3398, 0.4193

Protanopia

16.5292, 0.3750, 0.4040

Deuteranopia

16.3580, 0.3894, 0.3836



Tritanopia

16.4035, 0.2957, 0.3109

Trichromacy



Original Color

16.5543, 0.3398, 0.4193

Protanomaly

16.4281, 0.3610, 0.4089

Deuteranomaly

16.2760, 0.3704, 0.3968

Tritanomaly

16.3662, 0.3118, 0.3477

Monochromacy



Original Color

16.5543, 0.3398, 0.4193

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.7375, 0.3231, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5543, 0.3398, 0.4193 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(102, 119, 77)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 77)  
}
```

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(102, 119, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 77) }
```

Border

The CSS property to change the border of an element to Yxy 16.5543, 0.3398, 0.4193 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(102, 119, 77) }
```

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

```
.border{ border-color:rgb(102, 119, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 77);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5543, 0.3398, 0.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 77) }
```

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

```
.background{ background-color: rgb(102,  
119, 77) }
```

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