

Converting Colors

$Y_{xy}(15.6096, 0.3415, 0.4123)$

Have a look what the booklet for
Yxy(15.6096, 0.3415, 0.4123)
contains.

Yxy(15.6221, 0.3414, 0.4119)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6221, 0.3414, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	66734D
RGB	102, 115, 77
RGB Percent	40%, 45%, 30%
CMY	0.6001, 0.5490, 0.6980
CMYK	0.11, 0.00, 0.33, 0.55
HSL	81°, 20%, 38%
HSV	81°, 33%, 45%
XYZ	12.9483, 15.6221, 9.3566
YIQ	106.7810, 4.4500, -14.5740

Conversions

Conversions Part 2

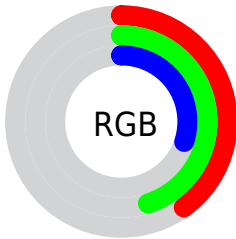
Format	Color
RYB	77, 115, 90
Decimal	6714189
CIELab	46.47, -12.01, 19.46
CIElCh	46, 22.869, 121.694
Yxy	15.6221, 0.3414, 0.4119
Android (android.graphics.Color)	4284904269 (0xFF66734D)
YUV	106.7810, -14.6820, -4.1929
Hunter-Lab	39.5248, -10.6921, 13.6318

Details

The Yxy color **15.6221, 0.3414, 0.4119** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7237, 0.2764, 0.2418**, and the grayscale version is **14.6793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9161, 0.3351, 0.3917**, and **4.9029, 0.3507, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **15.2494, 0.3492, 0.4385**, and if you desaturate by 10%, it is **16.0358, 0.3330, 0.3855**.

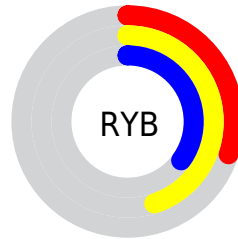
Distribution



Red (40%)

Green (45%)

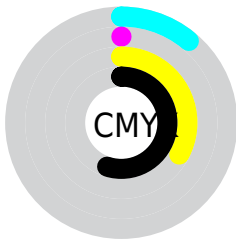
Blue (30%)



Red (30%)

Yellow (45%)

Blue (35%)

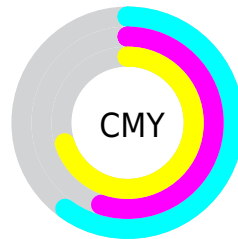


Cyan (11%)

Magenta (0%)

Yellow (33%)

Black (55%)



Cyan (60%)


Magenta (55%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6221, 0.3414, 0.4119 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 15.6221, 0.3414, 0.4119 by changing the saturation by 10% instead.


 15.6221, 0.3414,
0.4119


 15.6221, 0.3414,
0.4119


227.1014, 0.3254,
0.3618


 9.2571, 0.3458,
0.4285


 35.9409, 0.3352,
0.3910


 4.9093, 0.3514,
0.4532

 50.6635, 0.3330,
0.3840

 2.1941, 0.3610,
0.4972

 68.9408, 0.3312,
0.3785

 0.7168, 0.3512,
0.6488

 91.1572, 0.3296,
0.3739

 0.0000, 0.0000,
0.0000

 117.6971, 0.3283,
0.3701

148.9448, 0.3272,

0.3669

185.2847, 0.3262,
0.3642

■ 15.6221, 0.3414,
0.4119

■ 15.6221, 0.3414,
0.4119

■ 15.2494, 0.3492,
0.4385

■ 16.0358, 0.3330,
0.3855

■ 14.9141, 0.3558,
0.4645

■ 16.4901, 0.3242,
0.3601

■ 14.6151, 0.3609,
0.4889

■ 16.9871, 0.3154,
0.3360

■ 14.3502, 0.3641,
0.5104

■ 17.5282, 0.3067,
0.3136

■ 14.1174, 0.3651,
0.5283

■ 18.1147, 0.2984,
0.2929

■ 13.9137, 0.3638,
0.5418

■ 18.7478, 0.2906,
0.2741

■ 13.7820, 0.3625,
0.5504

■ 19.4288, 0.2832,
0.2570

■ 20.1587, 0.2763,
0.2416

■ 20.9387, 0.2699,
0.2277

Harmonies

Analogous

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



15.6221, 0.3810, 0.4039



15.6221, 0.3414, 0.4119



15.6221, 0.2958, 0.3930

Triad

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



15.6221, 0.3414, 0.4119



15.6221, 0.2295, 0.2732



15.6221, 0.3698, 0.3047

Complementary

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



15.6221, 0.3414, 0.4119



8.7237, 0.2764, 0.2418

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.



15.6221, 0.3249, 0.2753



15.6221, 0.3414, 0.4119



15.6221, 0.2457, 0.2566

Square

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



15.6221, 0.3414, 0.4119



15.6221, 0.2332, 0.3073



15.6221, 0.2796, 0.2580



15.6221, 0.3992, 0.3407

Rectangle

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



15.6221, 0.3414, 0.4119



15.6221, 0.2683, 0.3674



15.6221, 0.2796, 0.2580



15.6221, 0.3558, 0.2939

Sweetspot

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



15.6228, 0.3414, 0.4119



29.7634, 0.3217, 0.3532



11.4397, 0.3754, 0.3566



7.0774, 0.3227, 0.3560



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.



15.6228, 0.3414, 0.4119



27.4302, 0.3477, 0.4333



14.6541, 0.3163, 0.4188



4.2064, 0.3207, 0.3503



15.7413, 0.3621, 0.5507



76.2220, 0.3592, 0.5530

Inverse Universe

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



8.7237, 0.2764, 0.2418



12.9482, 0.2653, 0.2179



9.7785, 0.3060, 0.2490



3.6453, 0.3043, 0.3074



1.9069, 0.1791, 0.0761



8.8605, 0.1742, 0.0733

Previews

White Background



This preview shows how the Yxy color 15.6221, 0.3414, 0.4119 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 15.6221, 0.3414, 0.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

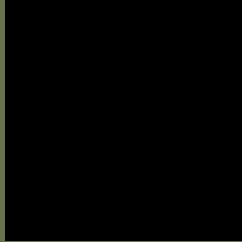
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6221, 0.3414, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 15.6221, 0.3414, 0.4119.



This preview shows how white text looks on a background with the Yxy color 15.6221, 0.3414, 0.4119.

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

15.6221, 0.3414, 0.4119

Protanopia

15.5818, 0.3712, 0.4002

Deuteranopia

15.4135, 0.3857, 0.3794



Tritanopia

15.6719, 0.2991, 0.3107

Trichromacy



Original Color

15.6221, 0.3414, 0.4119

Protanomaly

15.6209, 0.3599, 0.4042

Deuteranomaly

15.4804, 0.3694, 0.3919

Tritanomaly

15.6520, 0.3146, 0.3459

Monochromacy



Original Color

15.6221, 0.3414, 0.4119

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.9996, 0.3236, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6221, 0.3414, 0.4119 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, 115, 77)` looks like.

```
.text, #text, p{  
    color:rgb(102, 115, 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, 115, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 115, 77) }
```

Border

The CSS property to change the border of an element to Yxy 15.6221, 0.3414, 0.4119 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, 115, 77) }
```

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

```
.border{ border-color:rgb(102, 115, 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, 115, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 115, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 115, 77);  
box-shadow:4px 4px 4px 4px rgb(102, 115,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6221, 0.3414, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 115, 77) }
```

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

```
.background{ background-color: rgb(102,  
115, 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