

Converting Colors

$Y_{xy}(13.8090, 0.3418, 0.4019)$

Have a look what the booklet for
Yxy(13.8090, 0.3418, 0.4019)
contains.

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Color

Yxy(13.8996, 0.3413, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	636C4C
RGB	99, 108, 76
RGB Percent	39%, 42%, 30%
CMY	0.6118, 0.5765, 0.7019
CMYK	0.08, 0.00, 0.30, 0.58
HSL	77°, 17%, 36%
HSV	77°, 30%, 42%
XYZ	11.8126, 13.8996, 8.8984
YIQ	101.6610, 4.9080, -11.8600

Conversions

Conversions Part 2

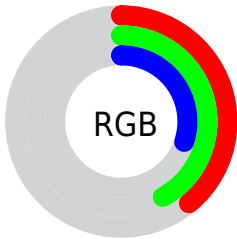
Format	Color
R _Y B	76, 108, 85
Decimal	6515788
CIE Lab	44.09, -9.48, 16.81
CIE LCh	44, 19.299, 119.429
Yxy	13.8996, 0.3413, 0.4016
Android (android.graphics.Color)	4284705868 (0xFF636C4C)
YUV	101.6610, -12.6509, -2.3337
Hunter-Lab	37.2822, -8.6874, 11.9464

Details

The Yxy color **13.8996, 0.3413, 0.4016** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1840, 0.2780, 0.2517**, and the grayscale version is **13.2269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7610, 0.3348, 0.3825**, and **4.1665, 0.3536, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **13.5944, 0.3503, 0.4274**, and if you desaturate by 10%, it is **14.2377, 0.3317, 0.3761**.

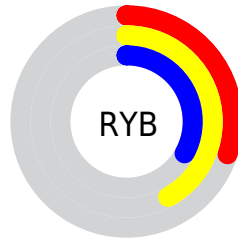
Distribution



Red (39%)

Green (42%)

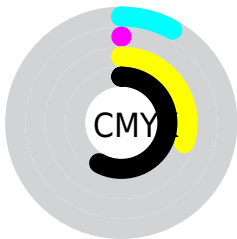
Blue (30%)



Red (30%)

Yellow (42%)

Blue (33%)

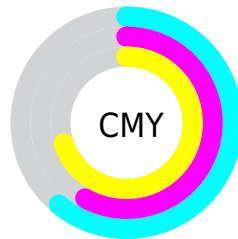


Cyan (8%)

Magenta (0%)

Yellow (30%)

Black (58%)



Cyan (61%)


Magenta (58%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8996, 0.3413, 0.4016 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 13.8996, 0.3413, 0.4016 by changing the saturation by 10% instead.


 13.8996, 0.3413,
0.4016


 13.8996, 0.3413,
0.4016


216.6053, 0.3248,
0.3572


 8.0509, 0.3462,
0.4168


 32.9108, 0.3347,
0.3829


 4.1275, 0.3528,
0.4397

 46.8420, 0.3324,
0.3767


 1.7451, 0.3680,
0.4862

 64.2362, 0.3306,
0.3718

 0.4526, 0.3051,
0.6949

 85.4778, 0.3290,
0.3678

 0.0000, 0.0000,
0.0000

 110.9510, 0.3277,
0.3645

141.0405, 0.3266,

0.3617

176.1304, 0.3256,
0.3593

■ 13.8996, 0.3413,
0.4016

■ 13.8996, 0.3413,
0.4016

■ 13.5944, 0.3503,
0.4274

■ 14.2377, 0.3317,
0.3761

■ 13.3189, 0.3584,
0.4527

■ 14.6081, 0.3220,
0.3515

■ 13.0723, 0.3652,
0.4766

■ 15.0126, 0.3124,
0.3282

■ 12.8531, 0.3701,
0.4981

■ 15.4523, 0.3030,
0.3064

■ 12.6594, 0.3729,
0.5162

■ 15.9282, 0.2941,
0.2864

■ 12.4892, 0.3735,
0.5302

■ 16.4413, 0.2857,
0.2680

■ 12.3347, 0.3727,
0.5418

■ 16.9926, 0.2778,
0.2514

■ 12.3290, 0.3727,
0.5423

■ 17.5831, 0.2705,
0.2363

■ 18.2135, 0.2638,
0.2226

Harmonies

Analogous

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



13.8996, 0.3751, 0.3938



13.8996, 0.3413, 0.4016



13.8996, 0.3012, 0.3866

Triad

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



13.8996, 0.3413, 0.4016



13.8996, 0.2386, 0.2819



13.8996, 0.3601, 0.3054

Complementary

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



13.8996, 0.3413, 0.4016



8.1840, 0.2780, 0.2517

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.



13.8996, 0.3205, 0.2798



13.8996, 0.3413, 0.4016



13.8996, 0.2518, 0.2655

Square

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



13.8996, 0.3413, 0.4016



13.8996, 0.2434, 0.3132



13.8996, 0.2810, 0.2654



13.8996, 0.3872, 0.3374

Rectangle

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



13.8996, 0.3413, 0.4016



13.8996, 0.2764, 0.3653



13.8996, 0.2810, 0.2654



13.8996, 0.3477, 0.2959

Sweetspot

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



13.9002, 0.3413, 0.4016



25.6709, 0.3216, 0.3505



10.1346, 0.3682, 0.3487



6.1947, 0.3227, 0.3533



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.9002, 0.3413, 0.4016



24.0022, 0.3480, 0.4206



13.1082, 0.3190, 0.4069



3.5429, 0.3213, 0.3498



14.6908, 0.3723, 0.5426



74.4032, 0.3696, 0.5448

Inverse Universe

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



8.1840, 0.2780, 0.2517



12.1139, 0.2674, 0.2298



8.9923, 0.3034, 0.2572



3.0626, 0.3036, 0.3078



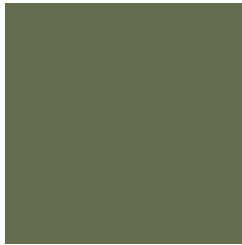
1.6149, 0.1714, 0.0718



7.8416, 0.1665, 0.0691

Previews

White Background



This preview shows how the Yxy color 13.8996, 0.3413, 0.4016 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 13.8996, 0.3413, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

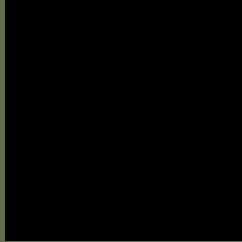
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

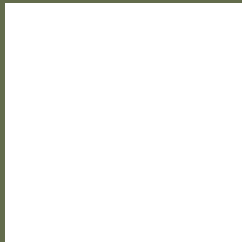
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8996, 0.3413, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 13.8996, 0.3413, 0.4016.



This preview shows how white text looks on a background with the Yxy color 13.8996, 0.3413, 0.4016.

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

13.8996, 0.3413, 0.4016

Protanopia

13.8398, 0.3658, 0.3934

Deuteranopia

13.8754, 0.3799, 0.3738



Tritanopia

13.8134, 0.3024, 0.3098

Trichromacy



Original Color

13.8996, 0.3413, 0.4016

Protanomaly

13.7370, 0.3561, 0.3950

Deuteranomaly

13.8137, 0.3653, 0.3844

Tritanomaly

13.8288, 0.3163, 0.3422

Monochromacy



Original Color

13.8996, 0.3413, 0.4016

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.4576, 0.3230, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8996, 0.3413, 0.4016 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(99, 108, 76) looks like.

```
.text, #text, p{  
    color:rgb(99, 108, 76)  
}
```

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(99, 108, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 108, 76) }
```

Border

The CSS property to change the border of an element to Yxy 13.8996, 0.3413, 0.4016 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(99, 108, 76) }
```

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

```
.border{ border-color:rgb(99, 108, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 108, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 108, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 108, 76);  
box-shadow:4px 4px 4px 4px rgb(99, 108,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8996, 0.3413, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 108, 76) }
```

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

```
.background{ background-color: rgb(99, 108,  
76) }
```

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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