

Converting Colors

$Y_{xy}(13.8245, 0.3427, 0.3984)$

Have a look what the booklet for
Yxy(13.8245, 0.3427, 0.3984)
contains.

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Color

Yxy(13.7605, 0.3419, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	646B4D
RGB	100, 107, 77
RGB Percent	39%, 42%, 30%
CMY	0.6078, 0.5804, 0.6980
CMYK	0.07, 0.00, 0.28, 0.58
HSL	74°, 16%, 36%
HSV	74°, 28%, 42%
XYZ	11.8537, 13.7605, 9.0558
YIQ	101.4870, 5.4580, -10.8140

Conversions

Conversions Part 2

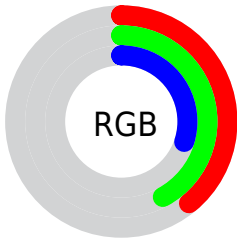
Format	Color
RYB	77, 107, 84
Decimal	6581069
CIELab	43.89, -8.33, 15.95
CIElCh	44, 17.996, 117.562
Yxy	13.7605, 0.3419, 0.3969
Android (android.graphics.Color)	4284771149 (0xFF646B4D)
YUV	101.4870, -12.0721, -1.3041
Hunter-Lab	37.0951, -7.8773, 11.4925

Details

The Yxy color **13.7605, 0.3419, 0.3969** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.2574, 0.2780, 0.2560**, and the grayscale version is **13.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5394, 0.3351, 0.3793**, and **4.0929, 0.3552, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **13.4819, 0.3518, 0.4222**, and if you desaturate by 10%, it is **14.0695, 0.3315, 0.3718**.

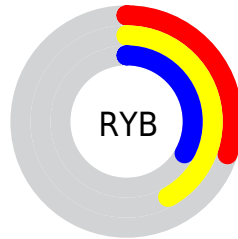
Distribution



Red (39%)

Green (42%)

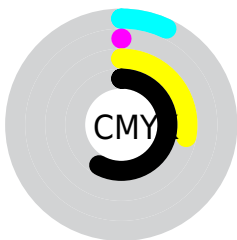
Blue (30%)



Red (30%)

Yellow (42%)

Blue (33%)

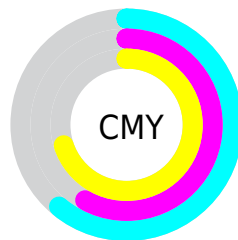


Cyan (7%)

Magenta (0%)

Yellow (28%)

Black (58%)



Cyan (61%)

Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7605, 0.3419, 0.3969 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 13.7605, 0.3419, 0.3969 by changing the saturation by 10% instead.

■ 13.7605, 0.3419,
0.3969

■ 13.7605, 0.3419,
0.3969

■ 215.7358, 0.3249,
0.3554

■ 7.9543, 0.3471,
0.4111

■ 32.6635, 0.3351,
0.3794

■ 4.0657, 0.3542,
0.4325

■ 46.5290, 0.3327,
0.3736

■ 1.7104, 0.3696,
0.4752

■ 63.8498, 0.3308,
0.3690

■ 0.4304, 0.3235,
0.6765

■ 85.0101, 0.3292,
0.3653

■ 0.0000, 0.0000,
0.0000

■ 110.3945, 0.3279,
0.3622

140.3873, 0.3267,

0.3596

175.3729, 0.3258,
0.3574

■ 13.7605, 0.3419,
0.3969

■ 13.7605, 0.3419,
0.3969

■ 13.4819, 0.3518,
0.4222

■ 14.0695, 0.3315,
0.3718

■ 13.2308, 0.3609,
0.4470

■ 14.4083, 0.3210,
0.3476

■ 13.0062, 0.3687,
0.4704

■ 14.7786, 0.3107,
0.3246

■ 12.8068, 0.3748,
0.4914

■ 15.1815, 0.3007,
0.3031

■ 12.6308, 0.3788,
0.5091

■ 15.6179, 0.2913,
0.2832

■ 12.4765, 0.3805,
0.5229

■ 16.0888, 0.2824,
0.2649

■ 12.3377, 0.3806,
0.5338

■ 16.5950, 0.2741,
0.2483

■ 12.3108, 0.3806,
0.5360

■ 17.1376, 0.2665,
0.2333

■ 17.7171, 0.2594,
0.2197

Harmonies

Analogous

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



13.7605, 0.3728, 0.3888



13.7605, 0.3419, 0.3969



13.7605, 0.3044, 0.3841

Triad

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



13.7605, 0.3419, 0.3969



13.7605, 0.2428, 0.2864



13.7605, 0.3550, 0.3052

Complementary

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



13.7605, 0.3419, 0.3969



8.2574, 0.2780, 0.2560

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.



13.7605, 0.3177, 0.2815



13.7605, 0.3419, 0.3969



13.7605, 0.2543, 0.2699

Square

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



13.7605, 0.3419, 0.3969



13.7605, 0.2485, 0.3166



13.7605, 0.2810, 0.2687



13.7605, 0.3813, 0.3351

Rectangle

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



13.7605, 0.3419, 0.3969



13.7605, 0.2808, 0.3650



13.7605, 0.2810, 0.2687



13.7605, 0.3432, 0.2964

Sweetspot

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



13.7611, 0.3419, 0.3969



25.7870, 0.3212, 0.3481



9.9275, 0.3652, 0.3441



6.2229, 0.3225, 0.3510



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.



13.7611, 0.3419, 0.3969



24.2888, 0.3489, 0.4145



13.0069, 0.3209, 0.4016



3.5497, 0.3220, 0.3498



14.9628, 0.3802, 0.5363



75.8351, 0.3779, 0.5381

Inverse Universe

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



8.2574, 0.2780, 0.2560



12.5780, 0.2675, 0.2353



8.9968, 0.3015, 0.2608



3.0561, 0.3029, 0.3077



1.5295, 0.1659, 0.0688



7.4536, 0.1616, 0.0664

Previews

White Background



This preview shows how the Yxy color 13.7605, 0.3419, 0.3969 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 13.7605, 0.3419, 0.3969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

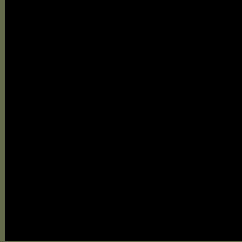
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

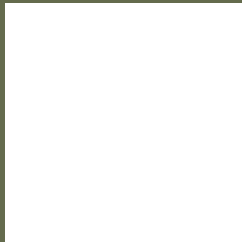
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7605, 0.3419, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 13.7605, 0.3419, 0.3969.



This preview shows how white text looks on a background with the Yxy color 13.7605, 0.3419, 0.3969.

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

13.7605, 0.3419, 0.3969

Protanopia

13.7881, 0.3629, 0.3916

Deuteranopia

13.6258, 0.3775, 0.3701



Tritanopia

13.8515, 0.3051, 0.3120

Trichromacy



Original Color

13.7605, 0.3419, 0.3969

Protanomaly

13.7508, 0.3548, 0.3928

Deuteranomaly

13.6302, 0.3645, 0.3802

Tritanomaly

13.6850, 0.3179, 0.3400

Monochromacy



Original Color

13.7605, 0.3419, 0.3969

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.2399, 0.3246, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7605, 0.3419, 0.3969 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(100, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(100, 107, 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(100, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 107, 77) }
```

Border

The CSS property to change the border of an element to Yxy 13.7605, 0.3419, 0.3969 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(100, 107, 77) }
```

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

```
.border{ border-color:rgb(100, 107, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 107, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(100, 107,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7605, 0.3419, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 107, 77) }
```

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

```
.background{ background-color: rgb(100,  
107, 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](#).

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