

Converting Colors

$Y_{xy}(13.3096, 0.3144, 0.4476)$

Have a look what the booklet for
Yxy(13.3096, 0.3144, 0.4476)
contains.

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Color

Yxy(13.3096, 0.3144, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	477041
RGB	71, 112, 65
RGB Percent	28%, 44%, 25%
CMY	0.7214, 0.5608, 0.7451
CMYK	0.37, 0.00, 0.42, 0.56
HSL	112°, 27%, 35%
HSV	112°, 42%, 44%
XYZ	9.3488, 13.3096, 7.0770
YIQ	94.3830, -9.3490, -23.3090

Conversions

Conversions Part 2

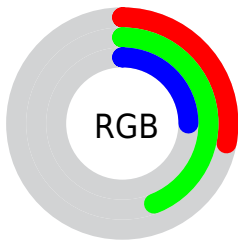
Format	Color
RYB	65, 112, 106
Decimal	4681793
CIELab	43.23, -24.48, 21.70
CIELCh	43, 32.715, 138.445
Yxy	13.3096, 0.3144, 0.4476
Android (android.graphics.Color)	4282871873 (0xFF477041)
YUV	94.3830, -14.4858, -20.5069
Hunter-Lab	36.4823, -18.1023, 14.0362

Details

The Yxy color **13.3096, 0.3144, 0.4476** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0119, 0.3066, 0.2284**, and the grayscale version is **11.3278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8308, 0.3150, 0.4144**, and **3.9031, 0.3069, 0.5159** is the 20% darker color. If you saturate the color by 10%, you get **12.8529, 0.3139, 0.4804**, and if you desaturate by 10%, it is **13.8525, 0.3145, 0.4156**.

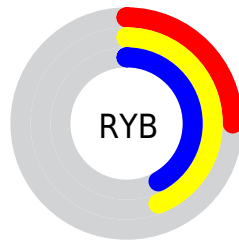
Distribution



Red (28%)

Green (44%)

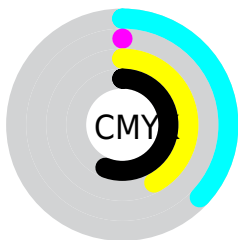
Blue (25%)



Red (25%)

Yellow (44%)

Blue (42%)

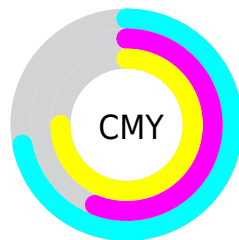


Cyan (37%)

Magenta (0%)

Yellow (42%)

Black (56%)



Cyan (72%)

Magenta (56%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3096, 0.3144, 0.4476 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 13.3096, 0.3144, 0.4476 by changing the saturation by 10% instead.

■ 13.3096, 0.3144,
0.4476

■ 13.3096, 0.3144,
0.4476

■ 212.8924, 0.3155,
0.3729

■ 7.6421, 0.3123,
0.4746

■ 31.8589, 0.3157,
0.4152

■ 3.8668, 0.3071,
0.5166

■ 45.5094, 0.3159,
0.4048

■ 1.5993, 0.3214,
0.6474

■ 62.5898, 0.3159,
0.3966

■ 0.3571, 0.0000,
1.0000

■ 83.4844, 0.3158,
0.3900

■ 0.0000, 0.0000,
0.0000

■ 108.5775, 0.3158,
0.3846

■ 138.2536, 0.3157,

0.3800

172.8971, 0.3156,
0.3762

■ 13.3096, 0.3144,
0.4476

■ 13.3096, 0.3144,
0.4476

■ 12.8529, 0.3139,
0.4804

■ 13.8525, 0.3145,
0.4156

■ 12.4763, 0.3128,
0.5125

■ 14.4840, 0.3142,
0.3856

■ 12.1757, 0.3111,
0.5418


■ 15.2083, 0.3136,
0.3581

■ 11.9457, 0.3089,
0.5662


■ 16.0291, 0.3129,
0.3335


■ 11.7805, 0.3064,
0.5842

■ 16.9496, 0.3120,
0.3117

 11.6840, 0.3051,
0.5960

 17.9733, 0.3111,
0.2925

 19.1030, 0.3101,
0.2757

 20.3417, 0.3092,
0.2610

 21.6923, 0.3083,
0.2483

Harmonies

Analogous

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



13.3096, 0.3804, 0.4532



13.3096, 0.3144, 0.4476



13.3096, 0.2514, 0.3956

Triad

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



13.3096, 0.3144, 0.4476



13.3096, 0.2022, 0.2300



13.3096, 0.4283, 0.3194

Complementary

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



13.3096, 0.3144, 0.4476



8.0119, 0.3066, 0.2284

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.



13.3096, 0.3695, 0.2727



13.3096, 0.3144, 0.4476



13.3096, 0.2388, 0.2230

Square

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



13.3096, 0.3144, 0.4476



13.3096, 0.1915, 0.2630



13.3096, 0.2984, 0.2386



13.3096, 0.4509, 0.3714

Rectangle

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



13.3096, 0.3144, 0.4476



13.3096, 0.2195, 0.3469



13.3096, 0.2984, 0.2386



13.3096, 0.4118, 0.3029

Sweetspot

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



13.3102, 0.3144, 0.4476



26.5340, 0.3137, 0.3618



14.0786, 0.3766, 0.4155



6.3179, 0.3138, 0.3666



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.3102, 0.3144, 0.4476



22.6291, 0.3139, 0.4783



13.3240, 0.2887, 0.4046



3.7819, 0.3134, 0.3506



13.5018, 0.3048, 0.5962



67.0394, 0.3028, 0.5978

Inverse Universe

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



8.0119, 0.3066, 0.2284



12.0130, 0.3045, 0.2072



8.0470, 0.3491, 0.2644



3.4328, 0.3119, 0.3081



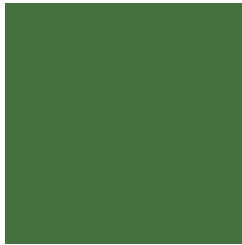
4.3226, 0.2899, 0.1371



21.2707, 0.2881, 0.1361

Previews

White Background



This preview shows how the Yxy color 13.3096, 0.3144, 0.4476 looks on a white background.

Color Contrast Check

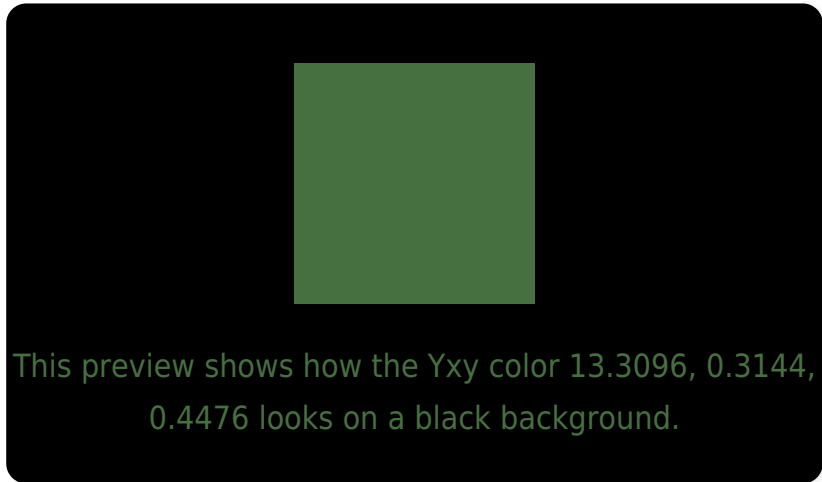
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

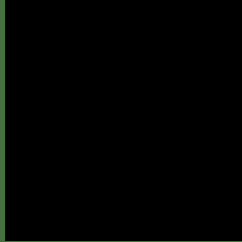
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3096, 0.3144, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 13.3096, 0.3144, 0.4476.



This preview shows how white text looks on a background with the Yxy color 13.3096, 0.3144, 0.4476.

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

13.3096, 0.3144, 0.4476

Protanopia

13.2192, 0.3833, 0.4171

Deuteranopia

13.1043, 0.3955, 0.3884



Tritanopia

13.2513, 0.2689, 0.3083

Trichromacy



Original Color

13.3096, 0.3144, 0.4476

Protanomaly

13.1427, 0.3555, 0.4307

Deuteranomaly

12.7916, 0.3625, 0.4083

Tritanomaly

13.1660, 0.2857, 0.3555

Monochromacy



Original Color

13.3096, 0.3144, 0.4476

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.9103, 0.3150, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3096, 0.3144, 0.4476 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(71, 112, 65)` looks like.

```
.text, #text, p{  
    color:rgb(71, 112, 65)  
}
```

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(71, 112, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 112, 65) }
```

Border

The CSS property to change the border of an element to Yxy 13.3096, 0.3144, 0.4476 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(71, 112, 65) }
```

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

```
.border{ border-color:rgb(71, 112, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 112, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 112, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 112, 65);  
box-shadow:4px 4px 4px 4px rgb(71, 112,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3096, 0.3144, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 112, 65) }
```

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

```
.background{ background-color: rgb(71, 112,  
65) }
```

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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