

Converting Colors

$Y_{xy}(11.2510, 0.3222, 0.4149)$

Have a look what the booklet for
Yxy(11.2510, 0.3222, 0.4149)
contains.

Yxy(11.3025, 0.3214, 0.4148)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.3025, 0.3214, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	4D6544
RGB	77, 101, 68
RGB Percent	30%, 40%, 27%
CMY	0.6980, 0.6039, 0.7333
CMYK	0.24, 0.00, 0.33, 0.60
HSL	104°, 20%, 33%
HSV	104°, 33%, 40%
XYZ	8.7575, 11.3025, 7.1880
YIQ	90.0620, -3.7110, -15.3510

Conversions

Conversions Part 2

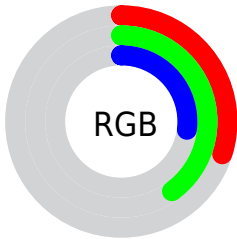
Format	Color
RYB	68, 101, 92
Decimal	5072196
CIELab	40.09, -15.92, 15.87
CIELCh	40, 22.474, 135.087
Yxy	11.3025, 0.3214, 0.4148
Android (android.graphics.Color)	4283262276 (0xFF4D6544)
YUV	90.0620, -10.8766, -11.4554
Hunter-Lab	33.6192, -12.3358, 10.8568

Details

The Yxy color **11.3025, 0.3214, 0.4148** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.3486, 0.2999, 0.2496**, and the grayscale version is **10.2646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2295, 0.3208, 0.3915**, and **2.9956, 0.3212, 0.4696** is the 20% darker color. If you saturate the color by 10%, you get **10.9016, 0.3232, 0.4451**, and if you desaturate by 10%, it is **11.7601, 0.3191, 0.3860**.

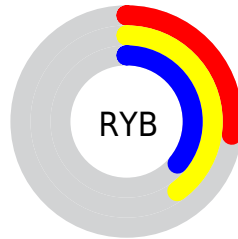
Distribution



Red (30%)

Green (40%)

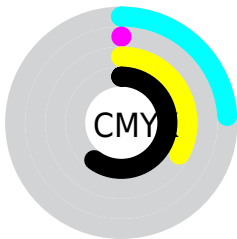
Blue (27%)



Red (27%)

Yellow (40%)

Blue (36%)

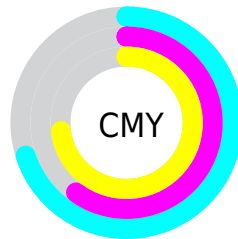


Cyan (24%)

Magenta (0%)

Yellow (33%)

Black (60%)



Cyan (70%)


Magenta (60%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3025, 0.3214, 0.4148 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 11.3025, 0.3214, 0.4148 by changing the saturation by 10% instead.


 11.3025, 0.3214,
0.4148


 11.3025, 0.3214,
0.4148


199.7313, 0.3171,
0.3602


 6.2707, 0.3220,
0.4352


 28.2182, 0.3200,
0.3909


 3.0104, 0.3216,
0.4678

 40.8709, 0.3194,
0.3833


 1.1371, 0.3511,
0.5934

 56.8326, 0.3189,
0.3774

 0.0094, 0.0000,
1.0000

 76.4878, 0.3184,
0.3726

 0.0000, 0.0000,
0.0000

 100.2209, 0.3180,
0.3687

128.4163, 0.3177,

0.3654

161.4582, 0.3174,
0.3626

■ 11.3025, 0.3214,
0.4148

■ 11.3025, 0.3214,
0.4148

■ 10.9016, 0.3232,
0.4451

■ 11.7601, 0.3191,
0.3860

■ 10.5538, 0.3242,
0.4759

■ 12.2751, 0.3164,
0.3594

■ 10.2571, 0.3242,
0.5060


■ 12.8499, 0.3135,
0.3351


■ 10.0090, 0.3231,
0.5337


■ 13.4865, 0.3106,
0.3132

■ 9.8066, 0.3208,
0.5573

■ 14.1867, 0.3076,
0.2938

 9.6463, 0.3174,
0.5756

 14.9521, 0.3048,
0.2765

 9.5485, 0.3153,
0.5879

 15.7845, 0.3021,
0.2612

 16.6854, 0.2995,
0.2477

 17.6564, 0.2971,
0.2357

Harmonies

Analogous

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



11.3025, 0.3693, 0.4182



11.3025, 0.3214, 0.4148



11.3025, 0.2734, 0.3815

Triad

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



11.3025, 0.3214, 0.4148



11.3025, 0.2276, 0.2575



11.3025, 0.3926, 0.3192

Complementary

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



11.3025, 0.3214, 0.4148



7.3486, 0.2999, 0.2496

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.



11.3025, 0.3489, 0.2836



11.3025, 0.3214, 0.4148



11.3025, 0.2540, 0.2488

Square

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



11.3025, 0.3214, 0.4148



11.3025, 0.2218, 0.2861



11.3025, 0.2975, 0.2585



11.3025, 0.4130, 0.3591

Rectangle

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



11.3025, 0.3214, 0.4148



11.3025, 0.2476, 0.3487



11.3025, 0.2975, 0.2585



11.3025, 0.3800, 0.3065

Sweetspot

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



11.3030, 0.3214, 0.4148



21.2996, 0.3157, 0.3533



10.7781, 0.3646, 0.3850



5.2173, 0.3160, 0.3558



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.3030, 0.3214, 0.4148



18.8838, 0.3228, 0.4371



11.0467, 0.2997, 0.3983



3.1754, 0.3153, 0.3500



12.5006, 0.3144, 0.5886



64.8146, 0.3109, 0.5913

Inverse Universe

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



7.3486, 0.2999, 0.2496



10.9804, 0.2960, 0.2308



7.7061, 0.3292, 0.2685



2.8534, 0.3099, 0.3084



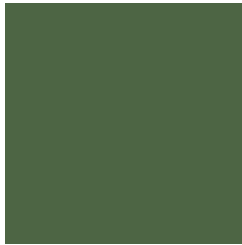
3.0913, 0.2555, 0.1181



15.6746, 0.2517, 0.1160

Previews

White Background



This preview shows how the Yxy color 11.3025, 0.3214, 0.4148 looks on a white background.

Color Contrast Check

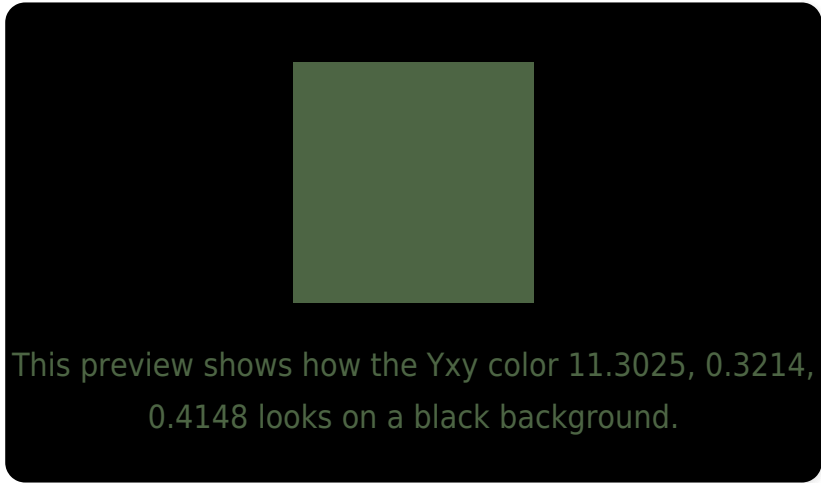
Large Text (above 18pt) WCAG AA ✓ Pass

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

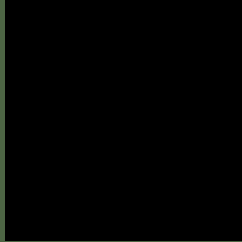
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3025, 0.3214, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 11.3025, 0.3214, 0.4148.



This preview shows how white text looks on a background with the Yxy color 11.3025, 0.3214, 0.4148.

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

11.3025, 0.3214, 0.4148

Protanopia

11.2118, 0.3693, 0.3967

Deuteranopia

11.1340, 0.3798, 0.3736



Tritanopia

11.2042, 0.2833, 0.3097

Trichromacy



Original Color

11.3025, 0.3214, 0.4148

Protanomaly

11.2699, 0.3508, 0.4046

Deuteranomaly

11.0877, 0.3582, 0.3885

Tritanomaly

11.2400, 0.2974, 0.3464

Monochromacy



Original Color

11.3025, 0.3214, 0.4148

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.5459, 0.3159, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3025, 0.3214, 0.4148 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(77, 101, 68)` looks like.

```
.text, #text, p{  
    color:rgb(77, 101, 68)  
}
```

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(77, 101, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 101, 68) }
```

Border

The CSS property to change the border of an element to Yxy 11.3025, 0.3214, 0.4148 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(77, 101, 68) }
```

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

```
.border{ border-color:rgb(77, 101, 68) }
```

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

Here you see how a box with a 4 pixel rgb(77, 101, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 101, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 101, 68);  
box-shadow:4px 4px 4px 4px rgb(77, 101,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3025, 0.3214, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 101, 68) }
```

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

```
.background{ background-color: rgb(77, 101,  
68) }
```

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