

Converting Colors

$Y_{xy}(12.7146, 0.3302, 0.4647)$

Have a look what the booklet for
Yxy(12.7146, 0.3302, 0.4647)
contains.

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Color

$Y_{xy}(12.6690, 0.3298, 0.4651)$

Conversions

Conversions Part 1

Format	Color
Hex	4A6D37
RGB	74, 109, 55
RGB Percent	29%, 43%, 22%
CMY	0.7097, 0.5726, 0.7843
CMYK	0.32, 0.00, 0.50, 0.57
HSL	99°, 33%, 32%
HSV	99°, 50%, 43%
XYZ	8.9835, 12.6690, 5.5868
YIQ	92.3790, -3.5260, -24.2140

Conversions

Conversions Part 2

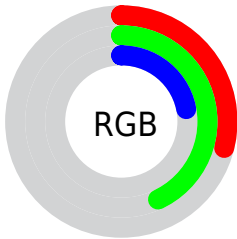
Format	Color
RYB	55, 109, 90
Decimal	4877623
CIELab	42.26, -23.36, 26.13
CIElCh	42, 35.052, 131.801
Yxy	12.6690, 0.3298, 0.4651
Android (android.graphics.Color)	4283067703 (0xFF4A6D37)
YUV	92.3790, -18.4278, -16.1184
Hunter-Lab	35.5935, -17.2367, 15.6093

Details

The Yxy color **12.6690, 0.3298, 0.4651** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.0098, 0.2824, 0.2035**, and the grayscale version is **10.8399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7541, 0.3274, 0.4284**, and **3.5790, 0.3260, 0.5428** is the 20% darker color. If you saturate the color by 10%, you get **12.3115, 0.3310, 0.4948**, and if you desaturate by 10%, it is **13.0822, 0.3275, 0.4350**.

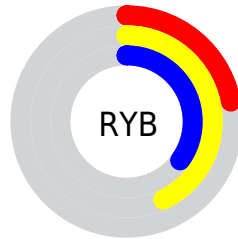
Distribution



Red (29%)

Green (43%)

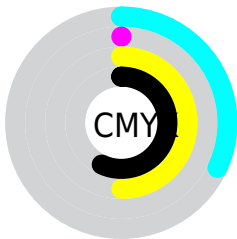
Blue (22%)



Red (22%)

Yellow (43%)

Blue (35%)

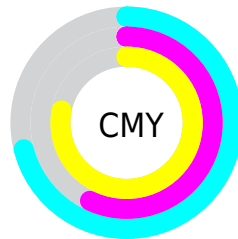


Cyan (32%)

Magenta (0%)

Yellow (50%)

Black (57%)



Cyan (71%)


Magenta (57%)

Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6690, 0.3298, 0.4651 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 12.6690, 0.3298, 0.4651 by changing the saturation by 10% instead.


 12.6690, 0.3298,
0.4651


 12.6690, 0.3298,
0.4651

 208.7853, 0.3222,
0.3791


 7.2010, 0.3297,
0.4960


 30.7078, 0.3279,
0.4279


 3.5881, 0.3267,
0.5436

 44.0475, 0.3268,
0.4159


 1.4459, 0.3323,
0.6677

 60.7798, 0.3258,
0.4064

 0.2502, 0.0000,
1.0000

 81.2892, 0.3249,
0.3988

 0.0000, 0.0000,
0.0000

 105.9600, 0.3241,
0.3926

 135.1767, 0.3234,

0.3873

169.3237, 0.3228,
0.3829

■ 12.6690, 0.3298,
0.4651

■ 12.6690, 0.3298,
0.4651

■ 12.3115, 0.3310,
0.4948

■ 13.0822, 0.3275,
0.4350

■ 12.0055, 0.3309,
0.5224

■ 13.5518, 0.3243,
0.4055

■ 11.7486, 0.3292,
0.5466


■ 14.0805, 0.3206,
0.3775

■ 11.5378, 0.3260,
0.5658

■ 14.6706, 0.3166,
0.3516


■ 11.3639, 0.3223,
0.5817

■ 15.3240, 0.3125,
0.3280

 11.3565, 0.3222,
0.5824

 16.0425, 0.3084,
0.3066

 16.8281, 0.3044,
0.2875

 17.6824, 0.3006,
0.2704

 18.6071, 0.2969,
0.2553

Harmonies

Analogous

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



12.6690, 0.3993, 0.4583



12.6690, 0.3298, 0.4651



12.6690, 0.2595, 0.4183

Triad

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



12.6690, 0.3298, 0.4651



12.6690, 0.1889, 0.2272



12.6690, 0.4271, 0.3060

Complementary

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



12.6690, 0.3298, 0.4651



6.0098, 0.2824, 0.2035

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.



12.6690, 0.3572, 0.2587



12.6690, 0.3298, 0.4651



12.6690, 0.2218, 0.2144

Square

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



12.6690, 0.3298, 0.4651



12.6690, 0.1836, 0.2686



12.6690, 0.2808, 0.2262



12.6690, 0.4616, 0.3609

Rectangle

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



12.6690, 0.3298, 0.4651



12.6690, 0.2218, 0.3662



12.6690, 0.2808, 0.2262



12.6690, 0.4065, 0.2890

Sweetspot

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



12.6695, 0.3298, 0.4651



25.6359, 0.3190, 0.3666



10.7053, 0.4007, 0.4053



5.9278, 0.3196, 0.3707



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.



12.6695, 0.3298, 0.4651



21.9815, 0.3311, 0.4979



12.0994, 0.2986, 0.4562



3.4918, 0.3164, 0.3502



13.2704, 0.3216, 0.5828



67.1724, 0.3179, 0.5858

Inverse Universe

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



6.0098, 0.2824, 0.2035



8.5780, 0.2730, 0.1760



6.9393, 0.3317, 0.2288



3.1132, 0.3087, 0.3081



2.8275, 0.2372, 0.1080



13.9091, 0.2326, 0.1055

Previews

White Background



This preview shows how the Yxy color 12.6690, 0.3298, 0.4651 looks on a white background.

Color Contrast Check

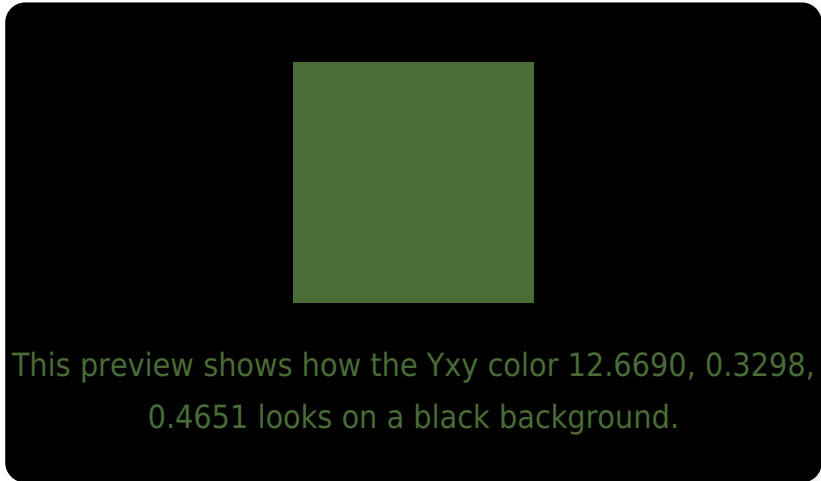
Large Text (above 18pt) WCAG AA ✓ Pass

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

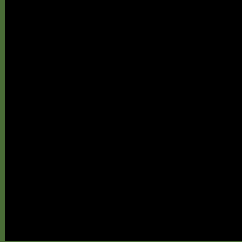
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6690, 0.3298, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 12.6690, 0.3298, 0.4651.



This preview shows how white text looks on a background with the Yxy color 12.6690, 0.3298, 0.4651.

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

12.6690, 0.3298, 0.4651

Protanopia

12.6773, 0.3952, 0.4317

Deuteranopia

12.5651, 0.4089, 0.4024



Tritanopia

12.6872, 0.2762, 0.3105

Trichromacy



Original Color

12.6690, 0.3298, 0.4651

Protanomaly

12.4989, 0.3702, 0.4440

Deuteranomaly

12.3629, 0.3777, 0.4234

Tritanomaly

12.5640, 0.2962, 0.3632

Monochromacy



Original Color

12.6690, 0.3298, 0.4651

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.2312, 0.3194, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6690, 0.3298, 0.4651 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(74, 109, 55)` looks like.

```
.text, #text, p{  
    color:rgb(74, 109, 55)  
}
```

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(74, 109, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 109, 55) }
```

Border

The CSS property to change the border of an element to Yxy 12.6690, 0.3298, 0.4651 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(74, 109, 55) }
```

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

```
.border{ border-color:rgb(74, 109, 55) }
```

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

Here you see how a box with a 4 pixel rgb(74, 109, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 109, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 109, 55);  
box-shadow:4px 4px 4px 4px rgb(74, 109,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6690, 0.3298, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 109, 55) }
```

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

```
.background{ background-color: rgb(74, 109,  
55) }
```

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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