

Converting Colors

$Y_{xy}(12.3404, 0.2698, 0.4049)$

Have a look what the booklet for
Yxy(12.3404, 0.2698, 0.4049)
contains.

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Color

Yxy(12.3419, 0.2697, 0.4047)

Conversions

Conversions Part 1

Format	Color
Hex	2E6E52
RGB	46, 110, 82
RGB Percent	18%, 43%, 32%
CMY	0.8197, 0.5686, 0.6785
CMYK	0.58, 0.00, 0.25, 0.57
HSL	154°, 41%, 31%
HSV	154°, 58%, 43%
XYZ	8.2249, 12.3419, 9.9296
YIQ	87.6720, -29.1560, -22.2760

Conversions

Conversions Part 2

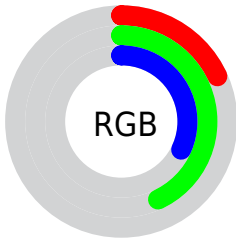
Format	Color
R_{YB}	46, 87, 110
Decimal	3042898
CIE Lab	41.75, -27.78, 9.55
CIE LCh	42, 29.381, 161.025
Yxy	12.3419, 0.2697, 0.4047
Android (android.graphics.Color)	4281232978 (0xFF2E6E52)
YUV	87.6720, -2.7963, -36.5463
Hunter-Lab	35.1310, -19.6889, 7.8337




Details

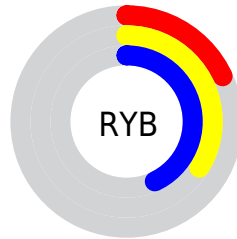
The Yxy color **12.3419, 0.2697, 0.4047** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.7626, 0.4013, 0.2675**, and the grayscale version is **9.6941, 0.3127, 0.3290**.




A 20% lighter version of the original color is **30.0760, 0.2819, 0.3844**, and **3.5788, 0.2581, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **12.0482, 0.2659, 0.4207**, and if you desaturate by 10%, it is **12.7072, 0.2750, 0.3893**.

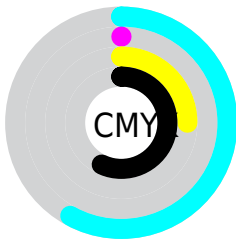
Distribution







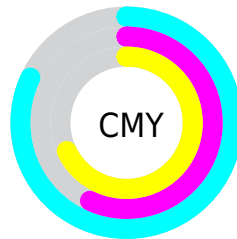
-  Red (18%)
-  Green (43%)
-  Blue (32%)






-  Red (18%)
-  Yellow (34%)
-  Blue (43%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (25%)
-  Black (57%)





-  Cyan (82%)
-  Magenta (57%)
-  Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3419, 0.2697, 0.4047 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 12.3419, 0.2697, 0.4047 by changing the saturation by 10% instead.

 12.3419, 0.2697,
0.4047


 12.3419, 0.2697,
0.4047


206.6558, 0.2967,
0.3569

 6.9770, 0.2599,
0.4224


 30.1163, 0.2814,
0.3838


 3.4477, 0.2443,
0.4508

 43.2946, 0.2851,
0.3772


 1.3697, 0.2086,
0.5116

 59.8460, 0.2881,
0.3719

 0.1942, 0.0000,
1.0000

 80.1552, 0.2905,
0.3677

 0.0000, 0.0000,
0.0000

 104.6063, 0.2924,
0.3643

 133.5839, 0.2941,

0.3614

167.4722, 0.2955,
0.3590

■ 12.3419, 0.2697,
0.4047

■ 12.3419, 0.2697,
0.4047

■ 12.0482, 0.2659,
0.4207

■ 12.7072, 0.2750,
0.3893

■ 11.8195, 0.2637,
0.4369

■ 13.1473, 0.2815,
0.3748

■ 11.6501, 0.2634,
0.4531

■ 13.6671, 0.2889,
0.3613

■ 11.5216, 0.2643,
0.4691

■ 14.2703, 0.2970,
0.3488

■ 11.4991, 0.2645,
0.4720

■ 14.9607, 0.3056,
0.3375

■ 15.7417, 0.3143,
0.3272

■ 16.6167, 0.3231,
0.3181

■ 17.5886, 0.3318,
0.3099

■ 18.6604, 0.3403,
0.3027

Harmonies

Analogous

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



12.3419, 0.3305, 0.4429



12.3419, 0.2697, 0.4047



12.3419, 0.2234, 0.3401

Triad

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



12.3419, 0.2697, 0.4047



12.3419, 0.2335, 0.2298



12.3419, 0.4387, 0.3573

Complementary

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



12.3419, 0.2697, 0.4047



5.7626, 0.4013, 0.2675

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.



12.3419, 0.4082, 0.3091



12.3419, 0.2697, 0.4047



12.3419, 0.2845, 0.2393

Square

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



12.3419, 0.2697, 0.4047



12.3419, 0.2050, 0.2425



12.3419, 0.3492, 0.2675



12.3419, 0.4304, 0.4045

Rectangle

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



12.3419, 0.2697, 0.4047



12.3419, 0.2057, 0.2980



12.3419, 0.3492, 0.2675



12.3419, 0.4327, 0.3410

Sweetspot

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



12.3424, 0.2697, 0.4047



25.1441, 0.2977, 0.3479



12.8375, 0.3394, 0.4866



5.8143, 0.2965, 0.3496



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.



12.3424, 0.2697, 0.4047



20.9971, 0.2649, 0.4266



12.1809, 0.2417, 0.3207



3.7917, 0.3049, 0.3384



13.8070, 0.2648, 0.4734



68.6033, 0.2672, 0.4819

Inverse Universe

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



5.7626, 0.4013, 0.2675



8.2192, 0.4349, 0.2580



5.7248, 0.4718, 0.3364



3.4235, 0.3213, 0.3198



4.2343, 0.5136, 0.2603



20.9255, 0.5266, 0.2674

Previews

White Background



This preview shows how the Yxy color 12.3419, 0.2697, 0.4047 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 12.3419, 0.2697, 0.4047 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 12.3419, 0.2697, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 12.3419, 0.2697, 0.4047.



This preview shows how white text looks on a background with the Yxy color 12.3419, 0.2697, 0.4047.

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

12.3419, 0.2697, 0.4047

Protanopia

12.2604, 0.3554, 0.3789

Deuteranopia

12.1060, 0.3551, 0.3488



Tritanopia

12.3637, 0.2457, 0.3093

Trichromacy



Original Color

12.3419, 0.2697, 0.4047

Protanomaly

11.9376, 0.3185, 0.3886

Deuteranomaly

11.8291, 0.3167, 0.3680

Tritanomaly

12.2048, 0.2539, 0.3416

Monochromacy



Original Color

12.3419, 0.2697, 0.4047

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.4541, 0.2925, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3419, 0.2697, 0.4047 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(46, 110, 82)` looks like.

```
.text, #text, p{  
    color:rgb(46, 110, 82)  
}
```

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(46, 110, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 110, 82) }
```

Border

The CSS property to change the border of an element to Yxy 12.3419, 0.2697, 0.4047 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(46, 110, 82) }
```

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

```
.border{ border-color:rgb(46, 110, 82) }
```

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

Here you see how a box with a 4 pixel rgb(46, 110, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 110, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 110, 82);  
box-shadow:4px 4px 4px 4px rgb(46, 110,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3419, 0.2697, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 110, 82) }
```

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

```
.background{ background-color: rgb(46, 110,  
82) }
```

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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