

Converting Colors

$Y_{xy}(12.4925, 0.3040, 0.4307)$

Have a look what the booklet for
Yxy(12.4925, 0.3040, 0.4307)
contains.

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Color

Yxy(12.5728, 0.3043, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	436D46
RGB	67, 109, 70
RGB Percent	26%, 43%, 27%
CMY	0.7372, 0.5725, 0.7256
CMYK	0.39, 0.00, 0.36, 0.57
HSL	124°, 24%, 35%
HSV	124°, 39%, 43%
XYZ	8.8892, 12.5728, 7.7499
YIQ	91.9960, -12.5130, -21.0330

Conversions

Conversions Part 2

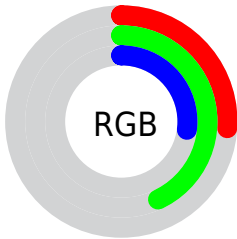
Format	Color
R_{YB}	67, 106, 109
Decimal	4418886
CIE _{Lab}	42.11, -23.53, 17.31
CIE _{LCh}	42, 29.208, 143.658
Yxy	12.5728, 0.3043, 0.4304
Android (android.graphics.Color)	4282608966 (0xFF436D46)
YUV	91.9960, -10.8440, -21.9215
Hunter-Lab	35.4581, -17.3027, 11.8620

Details

The Yxy color **12.5728, 0.3043, 0.4304** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.3086, 0.3221, 0.2451**, and the grayscale version is **10.7298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6036, 0.3075, 0.4019**, and **3.5505, 0.2939, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **12.1063, 0.3022, 0.4621**, and if you desaturate by 10%, it is **13.1345, 0.3065, 0.4004**.

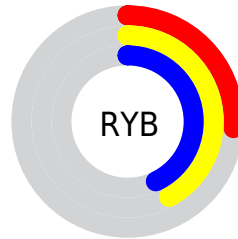
Distribution



Red (26%)

Green (43%)

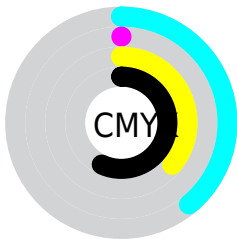
Blue (27%)



Red (26%)

Yellow (42%)

Blue (43%)

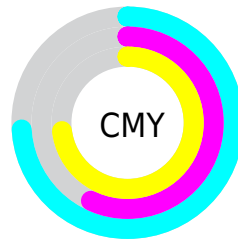


Cyan (39%)

Magenta (0%)

Yellow (36%)

Black (57%)



Cyan (74%)


Magenta (57%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5728, 0.3043, 0.4304 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 12.5728, 0.3043, 0.4304 by changing the saturation by 10% instead.


 12.5728, 0.3043,
0.4304


 12.5728, 0.3043,
0.4304


208.1614, 0.3109,
0.3661


 7.1350, 0.3008,
0.4542


 30.5341, 0.3077,
0.4023

 3.5467, 0.2941,
0.4919

 43.8265, 0.3086,
0.3934


 1.4234, 0.2950,
0.5997

 60.5059, 0.3093,
0.3864

 0.2339, 0.0000,
1.0000

 80.9566, 0.3098,
0.3807

 0.0000, 0.0000,
0.0000

 105.5631, 0.3102,
0.3761

134.7098, 0.3105,

0.3722

168.7811, 0.3107,
0.3689

■ 12.5728, 0.3043,
0.4304

■ 12.5728, 0.3043,
0.4304

■ 12.1063, 0.3022,
0.4621

■ 13.1345, 0.3065,
0.4004

■ 11.7282, 0.3004,
0.4942

■ 13.7945, 0.3088,
0.3727

■ 11.4334, 0.2991,
0.5249


■ 14.5579, 0.3109,
0.3479

■ 11.2157, 0.2983,
0.5521

■ 15.4288, 0.3130,
0.3259

■ 11.0676, 0.2981,
0.5740

■ 16.4112, 0.3150,
0.3067


 10.9681, 0.2979,
0.5898

 17.5088, 0.3167,
0.2899

 10.9544, 0.2977,
0.5918

 18.7251, 0.3184,
0.2754

 20.0636, 0.3199,
0.2628

 21.5276, 0.3212,
0.2519

Harmonies

Analogous

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



12.5728, 0.3655, 0.4441



12.5728, 0.3043, 0.4304



12.5728, 0.2484, 0.3782

Triad

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



12.5728, 0.3043, 0.4304



12.5728, 0.2151, 0.2353



12.5728, 0.4241, 0.3291

Complementary

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



12.5728, 0.3043, 0.4304



8.3086, 0.3221, 0.2451

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.



12.5728, 0.3754, 0.2842



12.5728, 0.3043, 0.4304



12.5728, 0.2533, 0.2323

Square

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



12.5728, 0.3043, 0.4304



12.5728, 0.2009, 0.2620



12.5728, 0.3110, 0.2500



12.5728, 0.4384, 0.3775

Rectangle

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



12.5728, 0.3043, 0.4304



12.5728, 0.2215, 0.3342



12.5728, 0.3110, 0.2500



12.5728, 0.4111, 0.3134

Sweetspot

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



12.5733, 0.3043, 0.4304



25.5241, 0.3101, 0.3570



14.4195, 0.3629, 0.4203



5.9115, 0.3099, 0.3592



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.



12.5733, 0.3043, 0.4304



21.7729, 0.3025, 0.4581



12.8833, 0.2811, 0.3747



3.4479, 0.3108, 0.3489



12.8108, 0.2979, 0.5924



65.2253, 0.2991, 0.5966

Inverse Universe

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



8.3086, 0.3221, 0.2451



12.9847, 0.3245, 0.2271



7.9265, 0.3619, 0.2879



3.1604, 0.3146, 0.3099



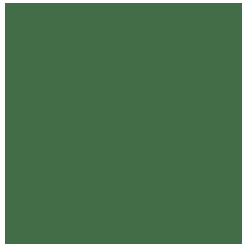
4.9069, 0.3387, 0.1640



24.9492, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 12.5728, 0.3043, 0.4304 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 12.5728, 0.3043, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

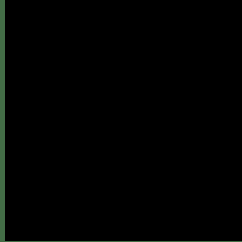
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5728, 0.3043, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 12.5728, 0.3043, 0.4304.



This preview shows how white text looks on a background with the Yxy color 12.5728, 0.3043, 0.4304.

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

12.5728, 0.3043, 0.4304

Protanopia

12.4428, 0.3724, 0.4027

Deuteranopia

12.4474, 0.3814, 0.3758



Tritanopia

12.5663, 0.2659, 0.3101

Trichromacy



Original Color

12.5728, 0.3043, 0.4304

Protanomaly

12.3811, 0.3447, 0.4152

Deuteranomaly

12.2349, 0.3504, 0.3943

Tritanomaly

12.5489, 0.2794, 0.3511

Monochromacy



Original Color

12.5728, 0.3043, 0.4304

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.2145, 0.3096, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5728, 0.3043, 0.4304 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(67, 109, 70)` looks like.

```
.text, #text, p{  
    color:rgb(67, 109, 70)  
}
```

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(67, 109, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 109, 70) }
```

Border

The CSS property to change the border of an element to Yxy 12.5728, 0.3043, 0.4304 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(67, 109, 70) }
```

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

```
.border{ border-color:rgb(67, 109, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 109, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 109, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 109, 70);  
box-shadow:4px 4px 4px 4px rgb(67, 109,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5728, 0.3043, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 109, 70) }
```

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

```
.background{ background-color: rgb(67, 109,  
70) }
```

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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