

Converting Colors

$Y_{xy}(12.0422, 0.3003, 0.4771)$

Have a look what the booklet for
Yxy(12.0422, 0.3003, 0.4771)
contains.

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Color

Yxy(12.1412, 0.3005, 0.4765)

Conversions

Conversions Part 1

Format	Color
Hex	336E38
RGB	51, 110, 56
RGB Percent	20%, 43%, 22%
CMY	0.7998, 0.5686, 0.7804
CMYK	0.54, 0.00, 0.49, 0.57
HSL	125°, 37%, 32%
HSV	125°, 54%, 43%
XYZ	7.6567, 12.1412, 5.6820
YIQ	86.2030, -17.8300, -29.3020

Conversions

Conversions Part 2

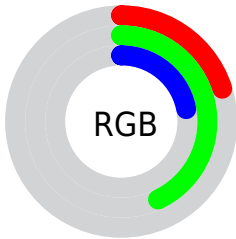
Format	Color
RYB	51, 105, 110
Decimal	3370552
CIELab	41.44, -31.64, 24.30
CIElCh	41, 39.894, 142.482
Yxy	12.1412, 0.3005, 0.4765
Android (android.graphics.Color)	4281560632 (0xFF336E38)
YUV	86.2030, -14.8901, -30.8730
Hunter-Lab	34.8442, -21.7535, 14.7226




Details

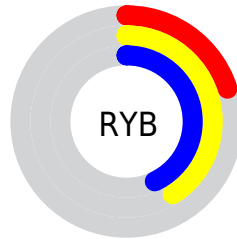
The Yxy color **12.1412, 0.3005, 0.4765** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.7069, 0.3279, 0.2163**, and the grayscale version is **9.3892, 0.3127, 0.3290**.




A 20% lighter version of the original color is **29.6649, 0.3061, 0.4344**, and **3.3616, 0.2899, 0.5635** is the 20% darker color. If you saturate the color by 10%, you get **11.7999, 0.2989, 0.5079**, and if you desaturate by 10%, it is **12.5710, 0.3025, 0.4448**.

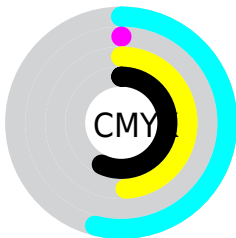
Distribution







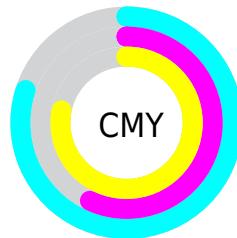
-  Red (20%)
-  Green (43%)
-  Blue (22%)






-  Red (20%)
-  Yellow (41%)
-  Blue (43%)



-  Cyan (54%)
-  Magenta (0%)
-  Yellow (49%)
-  Black (57%)




-  Cyan (80%)
-  Magenta (57%)
-  Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1412, 0.3005, 0.4765 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 12.1412, 0.3005, 0.4765 by changing the saturation by 10% instead.


 12.1412, 0.3005,
0.4765


 12.1412, 0.3005,
0.4765


205.3378, 0.3111,
0.3815


 6.8399, 0.2940,
0.5122


 29.7520, 0.3064,
0.4346


 3.3622, 0.2810,
0.5691

 42.8303, 0.3078,
0.4214


 1.3236, 0.2458,
0.7542

 59.2698, 0.3089,
0.4110

 0.1594, 0.0000,
1.0000

 79.4548, 0.3096,
0.4028

 0.0000, 0.0000,
0.0000

 103.7697, 0.3101,
0.3960

 132.5989, 0.3105,

0.3904

166.3268, 0.3109,
0.3856

■ 12.1412, 0.3005,
0.4765

■ 12.1412, 0.3005,
0.4765

■ 11.7999, 0.2989,
0.5079

■ 12.5710, 0.3025,
0.4448

■ 11.5395, 0.2978,
0.5370

■ 13.0933, 0.3048,
0.4142

■ 11.3538, 0.2975,
0.5620

■ 13.7135, 0.3072,
0.3856

■ 11.2332, 0.2977,
0.5811

■ 14.4364, 0.3096,
0.3597

■ 11.1715, 0.2973,
0.5903

■ 15.2664, 0.3119,
0.3366

■ 16.2074, 0.3141,
0.3163

■ 17.2635, 0.3162,
0.2985

■ 18.4383, 0.3180,
0.2831

■ 19.7353, 0.3198,
0.2697

Harmonies

Analogous

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



12.1412, 0.3822, 0.4867



12.1412, 0.3005, 0.4765



12.1412, 0.2265, 0.4017

Triad

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



12.1412, 0.3005, 0.4765



12.1412, 0.1829, 0.2051



12.1412, 0.4649, 0.3225

Complementary

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



12.1412, 0.3005, 0.4765



6.7069, 0.3279, 0.2163

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.



12.1412, 0.3951, 0.2665



12.1412, 0.3005, 0.4765



12.1412, 0.2297, 0.2020

Square

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



12.1412, 0.3005, 0.4765



12.1412, 0.1661, 0.2382



12.1412, 0.3053, 0.2239



12.1412, 0.4838, 0.3844

Rectangle

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



12.1412, 0.3005, 0.4765



12.1412, 0.1917, 0.3370



12.1412, 0.3053, 0.2239



12.1412, 0.4462, 0.3029

Sweetspot

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



12.1417, 0.3005, 0.4765



24.9766, 0.3089, 0.3668



14.3989, 0.3790, 0.4543



5.7676, 0.3086, 0.3706



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.



12.1417, 0.3005, 0.4765



20.6162, 0.2986, 0.5143



12.5189, 0.2707, 0.3941



3.7674, 0.3107, 0.3488



13.4190, 0.2976, 0.5912



66.7893, 0.2988, 0.5957

Inverse Universe

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



6.7069, 0.3279, 0.2163



9.9775, 0.3319, 0.1962



6.2027, 0.3940, 0.2744



3.4489, 0.3148, 0.3100



5.1029, 0.3424, 0.1660



25.3578, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 12.1412, 0.3005, 0.4765 looks on a white background.

Color Contrast Check

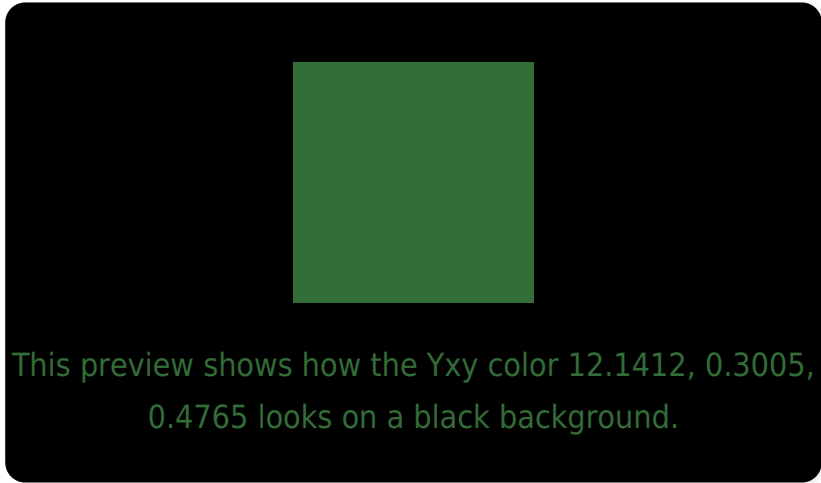
Large Text (above 18pt) WCAG AA ✓ Pass

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

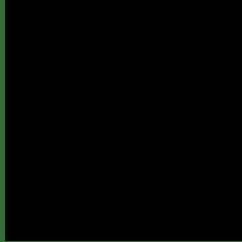
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1412, 0.3005, 0.4765

Background



This preview shows how black text looks on a background with the Yxy color 12.1412, 0.3005, 0.4765.



This preview shows how white text looks on a background with the Yxy color 12.1412, 0.3005, 0.4765.

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

12.1412, 0.3005, 0.4765

Protanopia

11.9231, 0.3934, 0.4281

Deuteranopia

12.0065, 0.4046, 0.3981



Tritanopia

12.1605, 0.2542, 0.3094

Trichromacy



Original Color

12.1412, 0.3005, 0.4765

Protanomaly

11.7860, 0.3551, 0.4488

Deuteranomaly

11.6191, 0.3608, 0.4249

Tritanomaly

12.0106, 0.2704, 0.3653

Monochromacy



Original Color

12.1412, 0.3005, 0.4765

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.1089, 0.3072, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1412, 0.3005, 0.4765 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(51, 110, 56)` looks like.

```
.text, #text, p{  
    color:rgb(51, 110, 56)  
}
```

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(51, 110, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 110, 56) }
```

Border

The CSS property to change the border of an element to Yxy 12.1412, 0.3005, 0.4765 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(51, 110, 56) }
```

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

```
.border{ border-color:rgb(51, 110, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 110, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 110, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 110, 56);  
box-shadow:4px 4px 4px 4px rgb(51, 110,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1412, 0.3005, 0.4765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 110, 56) }
```

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

```
.background{ background-color: rgb(51, 110,  
56) }
```

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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