

Converting Colors

$Y_{xy}(13.1003, 0.3555, 0.5008)$

Have a look what the booklet for
Yxy(13.1003, 0.3555, 0.5008)
contains.

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Color

Yxy(12.9909, 0.3548, 0.5000)

Conversions

Conversions Part 1

Format	Color
Hex	506E25
RGB	80, 110, 37
RGB Percent	31%, 43%, 15%
CMY	0.6863, 0.5686, 0.8549
CMYK	0.27, 0.00, 0.66, 0.57
HSL	85°, 50%, 29%
HSV	85°, 66%, 43%
XYZ	9.2183, 12.9909, 3.7726
YIQ	92.7080, 5.5530, -29.0630

Conversions

Conversions Part 2

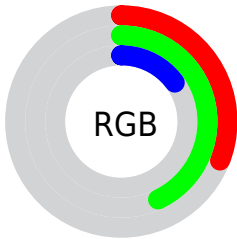
Format	Color
R_{YB}	37, 110, 67
Decimal	5271077
CIE _{Lab}	42.75, -23.51, 36.09
CIE _{LCh}	43, 43.071, 123.076
Yxy	12.9909, 0.3548, 0.5000
Android (android.graphics.Color)	4283461157 (0xFF506E25)
YUV	92.7080, -27.4640, -11.1449
Hunter-Lab	36.0429, -17.4218, 19.0242

Details

The Yxy color **12.9909, 0.3548, 0.5000** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.6433, 0.2356, 0.1482**, and the grayscale version is **10.9395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3378, 0.3478, 0.4549**, and **3.7523, 0.3474, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **12.7422, 0.3563, 0.5217**, and if you desaturate by 10%, it is **13.2748, 0.3513, 0.4753**.

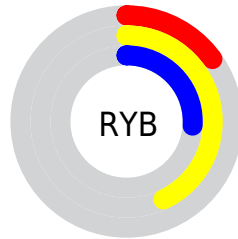
Distribution



Red (31%)

Green (43%)

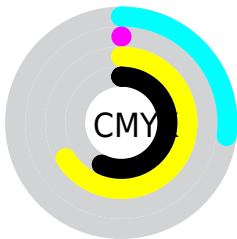
Blue (15%)



Red (15%)

Yellow (43%)

Blue (26%)

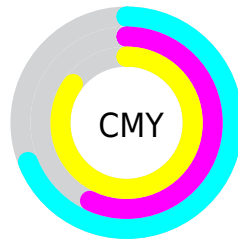


Cyan (27%)

Magenta (0%)

Yellow (66%)

Black (57%)



Cyan (69%)


Magenta (57%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9909, 0.3548, 0.5000 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 12.9909, 0.3548, 0.5000 by changing the saturation by 10% instead.


 12.9909, 0.3548,
0.5000


 12.9909, 0.3548,
0.5000


 210.8593, 0.3345,
0.3936

 7.4223, 0.3564,
0.5353


 31.2874, 0.3488,
0.4551


 3.7276, 0.3629,
0.6018

 44.7841, 0.3459,
0.4402

 1.5224, 0.3352,
0.6648

 61.6923, 0.3434,
0.4284

 0.3044, 0.0000,
1.0000

 82.3964, 0.3411,
0.4188

 0.0000, 0.0000,
0.0000

 107.2807, 0.3391,
0.4108

 136.7297, 0.3374,

0.4042

171.1278, 0.3358,
0.3985

12.9909, 0.3548,
0.5000

12.9909, 0.3548,
0.5000

12.7422, 0.3563,
0.5217

13.2748, 0.3513,
0.4753

12.5249, 0.3557,
0.5395

13.5942, 0.3463,
0.4487

12.3346, 0.3533,
0.5534

13.9514, 0.3400,
0.4215

12.2690, 0.3524,
0.5584

14.3480, 0.3329,
0.3945

14.7856, 0.3253,
0.3684

■ 15.2656, 0.3176,
0.3438

■ 15.7893, 0.3099,
0.3209

■ 16.3580, 0.3025,
0.2998

■ 16.9729, 0.2954,
0.2807

Harmonies

Analogous

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



12.9909, 0.4337, 0.4690



12.9909, 0.3548, 0.5000



12.9909, 0.2695, 0.4644

Triad

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



12.9909, 0.3548, 0.5000



12.9909, 0.1623, 0.2172



12.9909, 0.4301, 0.2827

Complementary

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



12.9909, 0.3548, 0.5000



3.6433, 0.2356, 0.1482

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.



12.9909, 0.3377, 0.2326



12.9909, 0.3548, 0.5000



12.9909, 0.1906, 0.1951

Square

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



12.9909, 0.3548, 0.5000



12.9909, 0.1648, 0.2751



12.9909, 0.2502, 0.2017



12.9909, 0.4870, 0.3436

Rectangle

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



12.9909, 0.3548, 0.5000



12.9909, 0.2205, 0.4039



12.9909, 0.2502, 0.2017



12.9909, 0.4012, 0.2644

Sweetspot

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



12.9915, 0.3548, 0.5000



25.6355, 0.3285, 0.3791



7.3694, 0.4639, 0.3918



5.9284, 0.3301, 0.3846



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.



12.9915, 0.3548, 0.5000



22.1499, 0.3562, 0.5325



11.8283, 0.3100, 0.5267



3.8512, 0.3197, 0.3502



14.7211, 0.3518, 0.5589



72.8182, 0.3483, 0.5616

Inverse Universe

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



3.6433, 0.2356, 0.1482



4.3511, 0.2133, 0.1116



5.3156, 0.3047, 0.1793



3.3612, 0.3053, 0.3077



2.0119, 0.1899, 0.0820



9.5421, 0.1845, 0.0790

Previews

White Background



This preview shows how the Yxy color 12.9909, 0.3548, 0.5000 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 12.9909, 0.3548, 0.5000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

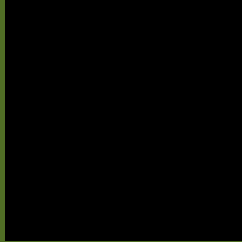
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9909, 0.3548, 0.5000

Background



This preview shows how black text looks on a background with the Yxy color 12.9909, 0.3548, 0.5000.



This preview shows how white text looks on a background with the Yxy color 12.9909, 0.3548, 0.5000.

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

12.9909, 0.3548, 0.5000

Protanopia

12.9394, 0.4177, 0.4593

Deuteranopia

12.8929, 0.4361, 0.4306



Tritanopia

12.9720, 0.2837, 0.3109

Trichromacy



Original Color

12.9909, 0.3548, 0.5000

Protanomaly

12.7947, 0.3938, 0.4737

Deuteranomaly

12.7118, 0.4063, 0.4553

Tritanomaly

12.9266, 0.3130, 0.3820

Monochromacy



Original Color

12.9909, 0.3548, 0.5000

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.4794, 0.3321, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9909, 0.3548, 0.5000 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(80, 110, 37)` looks like.

```
.text, #text, p{  
    color:rgb(80, 110, 37)  
}
```

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(80, 110, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 110, 37) }
```

Border

The CSS property to change the border of an element to Yxy 12.9909, 0.3548, 0.5000 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(80, 110, 37) }
```

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

```
.border{ border-color:rgb(80, 110, 37) }
```

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

Here you see how a box with a 4 pixel rgb(80, 110, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 110, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 110, 37);  
box-shadow:4px 4px 4px 4px rgb(80, 110,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9909, 0.3548, 0.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 110, 37) }
```

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

```
.background{ background-color: rgb(80, 110,  
37) }
```

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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