

Converting Colors

$Y_{xy}(13.3008, 0.3546, 0.5342)$

Have a look what the booklet for
Yxy(13.3008, 0.3546, 0.5342)
contains.

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Color

Yxy(13.3166, 0.3551, 0.5340)

Conversions

Conversions Part 1

Format	Color
Hex	4A7114
RGB	74, 113, 20
RGB Percent	29%, 44%, 8%
CMY	0.7098, 0.5569, 0.9215
CMYK	0.35, 0.00, 0.82, 0.56
HSL	85°, 70%, 26%
HSV	85°, 82%, 44%
XYZ	8.8553, 13.3166, 2.7656
YIQ	90.7370, 6.6090, -37.1910

Conversions

Conversions Part 2

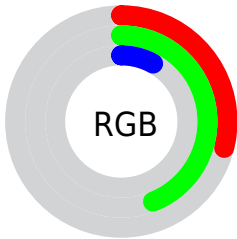
Format	Color
R_{YB}	20, 113, 59
Decimal	4878612
CIE _{Lab}	43.24, -28.66, 43.34
CIE _{LCh}	43, 51.961, 123.476
Yxy	13.3166, 0.3551, 0.5340
Android (android.graphics.Color)	4283068692 (0xFF4A7114)
YUV	90.7370, -34.8733, -14.6783
Hunter-Lab	36.4919, -20.5453, 21.0510

Details

The Yxy color **13.3166, 0.3551, 0.5340** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.6230, 0.2141, 0.1115**, and the grayscale version is **10.4788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8138, 0.3515, 0.4814**, and **3.9628, 0.3274, 0.5782** is the 20% darker color. If you saturate the color by 10%, you get **13.1046, 0.3530, 0.5491**, and if you desaturate by 10%, it is **13.5625, 0.3550, 0.5144**.

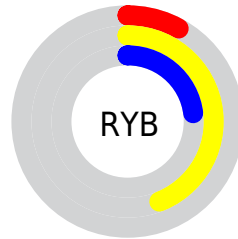
Distribution



Red (29%)

Green (44%)

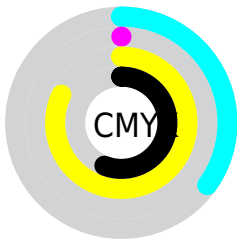
Blue (8%)



Red (8%)

Yellow (44%)

Blue (23%)

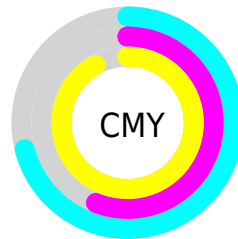


Cyan (35%)

Magenta (0%)

Yellow (82%)

Black (56%)



Cyan (71%)


Magenta (56%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3166, 0.3551, 0.5340 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 13.3166, 0.3551, 0.5340 by changing the saturation by 10% instead.


 13.3166, 0.3551,
0.5340


 13.3166, 0.3551,
0.5340


212.9369, 0.3377,
0.4073


 7.6469, 0.3529,
0.5738


 31.8714, 0.3518,
0.4814


 3.8699, 0.3525,
0.6475

 45.5253, 0.3493,
0.4636


 1.6010, 0.3021,
0.6979

 62.6094, 0.3469,
0.4494

 0.3583, 0.0000,
1.0000


 83.5082, 0.3447,
0.4378


 0.0000, 0.0000,
0.0000


 108.6059, 0.3426,
0.4282

 138.2870, 0.3408,

0.4201


 172.9358, 0.3392,
0.4132


 13.3166, 0.3551,
0.5340


 13.3166, 0.3551,
0.5340


 13.1046, 0.3530,
0.5491


 13.5625, 0.3550,
0.5144

 12.9555, 0.3509,
0.5595

 13.8432, 0.3528,
0.4912

 14.1617, 0.3488,
0.4654

 14.5198, 0.3433,
0.4383

 14.9196, 0.3368,
0.4108

■ 15.3626, 0.3296,
0.3840

■ 15.8505, 0.3221,
0.3583

■ 16.3848, 0.3145,
0.3343

■ 16.9669, 0.3070,
0.3121

Harmonies

Analogous

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



13.3166, 0.4477, 0.4889



13.3166, 0.3551, 0.5340



13.3166, 0.2571, 0.4944

Triad

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



13.3166, 0.3551, 0.5340



13.3166, 0.1409, 0.1973



13.3166, 0.4539, 0.2742

Complementary

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



13.3166, 0.3551, 0.5340



2.6230, 0.2141, 0.1115

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.



13.3166, 0.3426, 0.2182



13.3166, 0.3551, 0.5340



13.3166, 0.1724, 0.1749

Square

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



13.3166, 0.3551, 0.5340



13.3166, 0.1420, 0.2610



13.3166, 0.2398, 0.1833



13.3166, 0.5198, 0.3417

Rectangle

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



13.3166, 0.3551, 0.5340



13.3166, 0.2017, 0.4178



13.3166, 0.2398, 0.1833



13.3166, 0.4191, 0.2538

Sweetspot

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



13.3172, 0.3551, 0.5340



27.2316, 0.3321, 0.3929



6.6642, 0.5097, 0.4002



6.2484, 0.3340, 0.4001



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3172, 0.3551, 0.5340



23.1533, 0.3497, 0.5597



12.1049, 0.3059, 0.5692



3.8499, 0.3195, 0.3502



14.6834, 0.3506, 0.5599



72.6294, 0.3471, 0.5626

Inverse Universe

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



2.6230, 0.2141, 0.1115



3.2203, 0.1905, 0.0829



4.7115, 0.3044, 0.1578



3.3625, 0.3055, 0.3077



2.0374, 0.1913, 0.0828



9.6650, 0.1859, 0.0798

Previews

White Background



This preview shows how the Yxy color 13.3166, 0.3551, 0.5340 looks on a white background.

Color Contrast Check

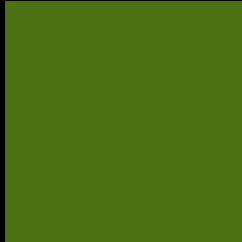
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3166, 0.3551, 0.5340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

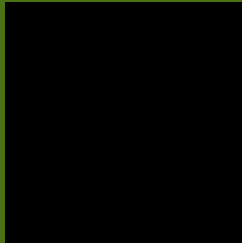
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3166, 0.3551, 0.5340

Background



This preview shows how black text looks on a background with the Yxy color 13.3166, 0.3551, 0.5340.



This preview shows how white text looks on a background with the Yxy color 13.3166, 0.3551, 0.5340.

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

13.3166, 0.3551, 0.5340

Protanopia

13.1881, 0.4326, 0.4786

Deuteranopia

13.2273, 0.4521, 0.4463



Tritanopia

13.2494, 0.2756, 0.3086

Trichromacy



Original Color

13.3166, 0.3551, 0.5340

Protanomaly

13.0611, 0.4027, 0.5001

Deuteranomaly

12.9632, 0.4145, 0.4788

Tritanomaly

13.0536, 0.3108, 0.3976

Monochromacy



Original Color

13.3166, 0.3551, 0.5340

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.2366, 0.3383, 0.4149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3166, 0.3551, 0.5340 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, 113, 20)` looks like.

```
.text, #text, p{  
    color:rgb(74, 113, 20)  
}
```

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, 113, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 113, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.3166, 0.3551, 0.5340 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, 113, 20) }
```

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

```
.border{ border-color:rgb(74, 113, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 113, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 113, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 113, 20);  
box-shadow:4px 4px 4px 4px rgb(74, 113,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3166, 0.3551, 0.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 113, 20) }
```

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

```
.background{ background-color: rgb(74, 113,  
20) }
```

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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