

Converting Colors

$Y_{xy}(13.2907, 0.3787, 0.5679)$

Have a look what the booklet for
Yxy(13.2907, 0.3787, 0.5679)
contains.

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Color

Yxy(13.4300, 0.3679, 0.5461)

Conversions

Conversions Part 1

Format	Color
Hex	4E7100
RGB	78, 113, 0
RGB Percent	31%, 44%, 0%
CMY	0.6941, 0.5569, 1.0000
CMYK	0.31, 0.00, 1.00, 0.56
HSL	79°, 100%, 22%
HSV	79°, 100%, 44%
XYZ	9.0476, 13.4300, 2.1150
YIQ	89.6530, 15.4130, -42.5630

Conversions

Conversions Part 2

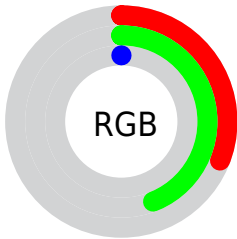
Format	Color
RYB	0, 113, 35
Decimal	5140736
CIELab	43.40, -27.75, 48.66
CIELCh	43, 56.018, 119.700
Yxy	13.4300, 0.3679, 0.5461
Android (android.graphics.Color)	4283330816 (0xFF4E7100)
YUV	89.6530, -44.1989, -10.2197
Hunter-Lab	36.6470, -20.0631, 22.2311

Details

The Yxy color **13.4300, 0.3679, 0.5461** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.5494, 0.1753, 0.0740**, and the grayscale version is **10.2416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0725, 0.3635, 0.4928**, and **4.0002, 0.3325, 0.5742** is the 20% darker color. If you saturate the color by 10%, you get **13.4306, 0.3679, 0.5461**, and if you desaturate by 10%, it is **13.6073, 0.3693, 0.5343**.

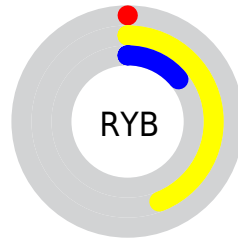
Distribution



Red (31%)

Green (44%)

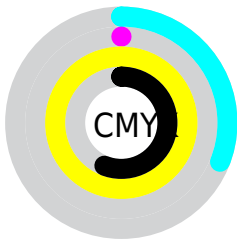
Blue (0%)



Red (0%)

Yellow (44%)

Blue (14%)

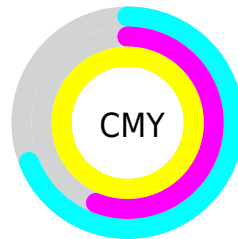


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (69%)


Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4300, 0.3679, 0.5461 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 13.4300, 0.3679, 0.5461 by changing the saturation by 10% instead.


 13.4300, 0.3679,
0.5461


 13.4300, 0.3679,
0.5461


 213.6554, 0.3450,
0.4143


 7.7253, 0.3664,
0.5862


 32.0742, 0.3635,
0.4928


 3.9197, 0.3575,
0.6425

 45.7824, 0.3602,
0.4743

 1.6287, 0.3103,
0.6897

 62.9273, 0.3571,
0.4593

 0.3769, 0.0000,
1.0000


 83.8933, 0.3542,
0.4470

 0.0000, 0.0000,
0.0000


 109.0647, 0.3515,
0.4367


 138.8259, 0.3491,

0.4281


 173.5613, 0.3470,
0.4207


 13.4300, 0.3679,
0.5461


 13.4300, 0.3679,
0.5461


 13.4306, 0.3679,
0.5461

 13.6073, 0.3693,
0.5343

 13.8024, 0.3693,
0.5200

 14.0250, 0.3671,
0.5016

 14.2771, 0.3628,
0.4797

 14.5610, 0.3566,
0.4553

■ 14.8783, 0.3490,
0.4295

■ 15.2308, 0.3404,
0.4033

■ 15.6199, 0.3313,
0.3774

■ 16.0470, 0.3220,
0.3525

Harmonies

Analogous

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



13.4300, 0.4641, 0.4866



13.4300, 0.3679, 0.5461



13.4300, 0.2641, 0.5207

Triad

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



13.4300, 0.3679, 0.5461



13.4300, 0.1301, 0.1944



13.4300, 0.4506, 0.2619

Complementary

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



13.4300, 0.3679, 0.5461



1.5494, 0.1753, 0.0740

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.



13.4300, 0.3287, 0.2058



13.4300, 0.3679, 0.5461



13.4300, 0.1585, 0.1673

Square

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



13.4300, 0.3679, 0.5461



13.4300, 0.1350, 0.2673



13.4300, 0.2236, 0.1727



13.4300, 0.5298, 0.3307

Rectangle

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



13.4300, 0.3679, 0.5461



13.4300, 0.2033, 0.4427



13.4300, 0.2236, 0.1727



13.4300, 0.4114, 0.2412

Sweetspot

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



13.4306, 0.3679, 0.5461



27.2200, 0.3411, 0.4054



4.6491, 0.5886, 0.3708



6.2469, 0.3440, 0.4138



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.



13.4306, 0.3679, 0.5461



23.9792, 0.3666, 0.5471



11.9880, 0.3090, 0.5928



3.8669, 0.3210, 0.3501



15.2240, 0.3676, 0.5463



75.3666, 0.3647, 0.5486

Inverse Universe

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



1.5494, 0.1753, 0.0740



2.7111, 0.1729, 0.0726



3.3861, 0.2729, 0.1277



3.3459, 0.3039, 0.3076



1.7478, 0.1748, 0.0736



8.2979, 0.1698, 0.0709

Previews

White Background



This preview shows how the Yxy color 13.4300, 0.3679, 0.5461 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 13.4300, 0.3679, 0.5461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

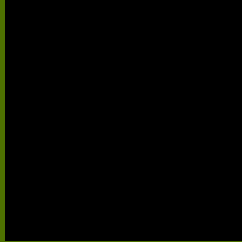
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4300, 0.3679, 0.5461

Background



This preview shows how black text looks on a background with the Yxy color 13.4300, 0.3679, 0.5461.



This preview shows how white text looks on a background with the Yxy color 13.4300, 0.3679, 0.5461.

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

13.4300, 0.3679, 0.5461

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2744, 0.4589, 0.4522



Tritanopia

13.4193, 0.2817, 0.3110

Trichromacy



Original Color

13.4300, 0.3679, 0.5461

Protanomaly

13.3402, 0.4116, 0.5114

Deuteranomaly

13.0472, 0.4248, 0.4879

Tritanomaly

13.1243, 0.3260, 0.4163

Monochromacy



Original Color

13.4300, 0.3679, 0.5461

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.0092, 0.3511, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4300, 0.3679, 0.5461 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(78, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 113, 0)  
}
```

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(78, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4300, 0.3679, 0.5461 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(78, 113, 0) }
```

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

```
.border{ border-color:rgb(78, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(78, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 113, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4300, 0.3679, 0.5461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 113, 0) }
```

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

```
.background{ background-color: rgb(78, 113,  
0) }
```

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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