

Converting Colors

$Y_{xy}(13.4403, 0.3499, 0.5729)$

Have a look what the booklet for
Yxy(13.4403, 0.3499, 0.5729)
contains.

Yxy(13.5475, 0.3453, 0.5640)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5475, 0.3453, 0.5640)

Conversions

Conversions Part 1

Format	Color
Hex	3F7400
RGB	63, 116, 0
RGB Percent	25%, 45%, 0%
CMY	0.7530, 0.5451, 0.9999
CMYK	0.46, 0.00, 1.00, 0.55
HSL	87°, 100%, 23%
HSV	87°, 100%, 45%
XYZ	8.2942, 13.5475, 2.1786
YIQ	86.9290, 5.6480, -47.3120

Conversions

Conversions Part 2

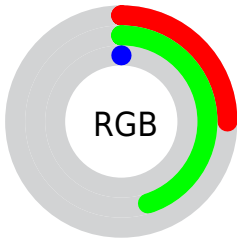
Format	Color
RYB	0, 116, 53
Decimal	4158464
CIELab	43.58, -35.02, 48.42
CIELCh	44, 59.759, 125.875
Yxy	13.5475, 0.3453, 0.5640
Android (android.graphics.Color)	4282348544 (0xFF3F7400)
YUV	86.9290, -42.8560, -20.9857
Hunter-Lab	36.8069, -24.1881, 22.2554

Details

The Yxy color **13.5475, 0.3453, 0.5640** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.0206, 0.1984, 0.0867**, and the grayscale version is **9.6079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4259, 0.3465, 0.5054**, and **4.0208, 0.3010, 0.5992** is the 20% darker color. If you saturate the color by 10%, you get **13.5474, 0.3453, 0.5640**, and if you desaturate by 10%, it is **13.7568, 0.3485, 0.5502**.

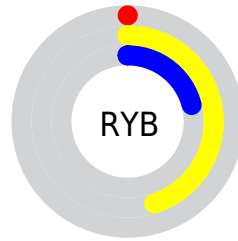
Distribution



Red (25%)

Green (45%)

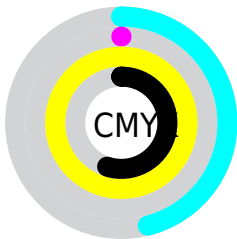
Blue (0%)



Red (0%)

Yellow (45%)

Blue (21%)

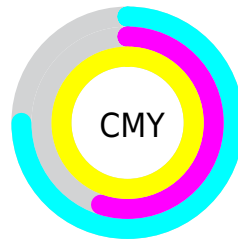


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (75%)


Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5475, 0.3453, 0.5640 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 13.5475, 0.3453, 0.5640 by changing the saturation by 10% instead.


 13.5475, 0.3453,
0.5640


 13.5475, 0.3453,
0.5640


214.3973, 0.3367,
0.4189


 7.8066, 0.3387,
0.6096


 32.2839, 0.3470,
0.5043


 3.9715, 0.3230,
0.6770

 46.0483, 0.3457,
0.4838

 1.6576, 0.2571,
0.7429

 63.2560, 0.3442,
0.4675

 0.3960, 0.0000,
1.0000


 84.2913, 0.3425,
0.4541


 0.0000, 0.0000,
0.0000

 109.5387, 0.3409,
0.4430

 139.3826, 0.3394,

0.4337

 174.2073, 0.3380,
0.4257


 13.5475, 0.3453,
0.5640

 13.5475, 0.3453,
0.5640


 13.5474, 0.3453,
0.5640

 13.7568, 0.3485,
0.5502

 13.9943, 0.3506,
0.5335

 14.2700, 0.3505,
0.5124

 14.5866, 0.3485,
0.4878

 14.9466, 0.3447,
0.4609

■ 15.3521, 0.3396,
0.4330

■ 15.8053, 0.3334,
0.4052

■ 16.3079, 0.3267,
0.3782

■ 16.8618, 0.3197,
0.3527

Harmonies

Analogous

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



13.5475, 0.4498, 0.5088



13.5475, 0.3453, 0.5640



13.5475, 0.2386, 0.5137

Triad

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



13.5475, 0.3453, 0.5640



13.5475, 0.1255, 0.1782



13.5475, 0.4823, 0.2717

Complementary

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



13.5475, 0.3453, 0.5640



2.0206, 0.1984, 0.0867

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.



13.5475, 0.3559, 0.2101



13.5475, 0.3453, 0.5640



13.5475, 0.1618, 0.1586

Square

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



13.5475, 0.3453, 0.5640



13.5475, 0.1229, 0.2419



13.5475, 0.2379, 0.1705



13.5475, 0.5489, 0.3439

Rectangle

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



13.5475, 0.3453, 0.5640



13.5475, 0.1802, 0.4187



13.5475, 0.2379, 0.1705



13.5475, 0.4434, 0.2494

Sweetspot

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



13.5481, 0.3453, 0.5640



27.7139, 0.3340, 0.4073



6.1894, 0.5488, 0.4024



6.5463, 0.3361, 0.4166



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.5481, 0.3453, 0.5640



23.7349, 0.3437, 0.5653



12.5298, 0.3018, 0.5985



4.1870, 0.3191, 0.3504



15.1907, 0.3449, 0.5643



73.5120, 0.3414, 0.5672

Inverse Universe

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



2.0206, 0.1984, 0.0867



3.4744, 0.1959, 0.0853



4.5902, 0.3089, 0.1476



3.6643, 0.3059, 0.3075



2.2550, 0.1978, 0.0863



10.4917, 0.1925, 0.0834

Previews

White Background



This preview shows how the Yxy color 13.5475, 0.3453, 0.5640 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 13.5475, 0.3453, 0.5640 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 13.5475, 0.3453, 0.5640

Background



This preview shows how black text looks on a background with the Yxy color 13.5475, 0.3453, 0.5640.



This preview shows how white text looks on a background with the Yxy color 13.5475, 0.3453, 0.5640.

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

13.5475, 0.3453, 0.5640

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2784, 0.4582, 0.4513



Tritanopia

13.5639, 0.2651, 0.3106

Trichromacy



Original Color

13.5475, 0.3453, 0.5640

Protanomaly

13.2665, 0.4024, 0.5187

Deuteranomaly

12.9384, 0.4149, 0.4943

Tritanomaly

13.2410, 0.3059, 0.4222

Monochromacy



Original Color

13.5475, 0.3453, 0.5640

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.6309, 0.3407, 0.4418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5475, 0.3453, 0.5640 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(63, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 116, 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(63, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 116, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5475, 0.3453, 0.5640 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(63, 116, 0) }
```

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

```
.border{ border-color:rgb(63, 116, 0) }
```

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

Here you see how a box with a 4 pixel rgb(63, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 116, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5475, 0.3453, 0.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 116, 0) }
```

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

```
.background{ background-color: rgb(63, 116,  
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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