

Converting Colors

$Y_{xy}(12.2987, 0.3440, 0.5650)$

Have a look what the booklet for
Yxy(12.2987, 0.3440, 0.5650)
contains.

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Color

Yxy(12.2987, 0.3440, 0.5650)

Conversions

Conversions Part 1

Format	Color
Hex	3B6F00
RGB	59, 111, 0
RGB Percent	23%, 44%, 0%
CMY	0.7687, 0.5647, 0.9998
CMYK	0.47, 0.00, 1.00, 0.56
HSL	88°, 100%, 22%
HSV	88°, 100%, 44%
XYZ	7.4881, 12.2987, 1.9809
YIQ	82.7980, 4.6390, -45.5450

Conversions

Conversions Part 2

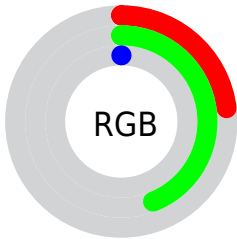
Format	Color
RYB	0, 111, 52
Decimal	3895040
CIELab	41.69, -34.31, 46.86
CIELCh	42, 58.075, 126.208
Yxy	12.2987, 0.3440, 0.5650
Android (android.graphics.Color)	4282085120 (0xFF3B6F00)
YUV	82.7980, -40.8194, -20.8708
Hunter-Lab	35.0695, -23.2582, 21.1997

Details

The Yxy color **12.2987, 0.3440, 0.5650** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.8811, 0.2010, 0.0881**, and the grayscale version is **8.6922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9654, 0.3459, 0.5033**, and **3.4452, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.2982, 0.3440, 0.5651**, and if you desaturate by 10%, it is **12.4906, 0.3471, 0.5507**.

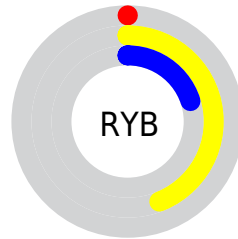
Distribution



Red (23%)

Green (44%)

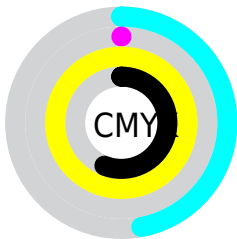
Blue (0%)



Red (0%)

Yellow (44%)

Blue (20%)

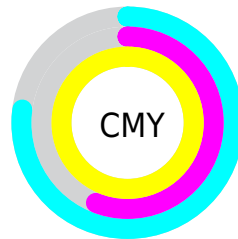


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (77%)


Magenta (56%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2987, 0.3440, 0.5650 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 12.2987, 0.3440, 0.5650 by changing the saturation by 10% instead.


 12.2987, 0.3440,
0.5650


 12.2987, 0.3440,
0.5650


 206.3729, 0.3359,
0.4173


 6.9474, 0.3376,
0.6143


 30.0380, 0.3460,
0.5034


 3.4293, 0.3181,
0.6819

 43.1948, 0.3448,
0.4826


 1.3597, 0.2239,
0.7761

 59.7222, 0.3432,
0.4660

 0.1868, 0.0000,
1.0000

 80.0047, 0.3416,
0.4525


 0.0000, 0.0000,
0.0000

 104.4266, 0.3400,
0.4414

 133.3723, 0.3385,


0.4320


 167.2263, 0.3372,
0.4241


 12.2987, 0.3440,
0.5650


 12.2987, 0.3440,
0.5650

 12.2982, 0.3440,
0.5651

 12.4906, 0.3471,
0.5507

 12.7084, 0.3492,
0.5337

 12.9613, 0.3492,
0.5123

 13.2520, 0.3473,
0.4875

 13.5827, 0.3437,
0.4606

■ 13.9553, 0.3387,
0.4326

■ 14.3717, 0.3328,
0.4048

■ 14.8336, 0.3263,
0.3779

■ 15.3426, 0.3195,
0.3525

Harmonies

Analogous

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



12.2987, 0.4490, 0.5100



12.2987, 0.3440, 0.5650



12.2987, 0.2371, 0.5132

Triad

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



12.2987, 0.3440, 0.5650



12.2987, 0.1253, 0.1773



12.2987, 0.4841, 0.2722

Complementary

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



12.2987, 0.3440, 0.5650



1.8811, 0.2010, 0.0881

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.



12.2987, 0.3575, 0.2104



12.2987, 0.3440, 0.5650



12.2987, 0.1620, 0.1582

Square

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



12.2987, 0.3440, 0.5650



12.2987, 0.1222, 0.2406



12.2987, 0.2387, 0.1704



12.2987, 0.5499, 0.3446

Rectangle

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



12.2987, 0.3440, 0.5650



12.2987, 0.1789, 0.4173



12.2987, 0.2387, 0.1704



12.2987, 0.4453, 0.2499

Sweetspot

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



12.2992, 0.3440, 0.5650



25.6652, 0.3333, 0.4072



5.8211, 0.5433, 0.4067



6.1058, 0.3353, 0.4163



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.



12.2992, 0.3440, 0.5650



21.9444, 0.3422, 0.5665



11.3939, 0.3013, 0.5989



3.8423, 0.3189, 0.3502



14.4756, 0.3434, 0.5655



71.5924, 0.3397, 0.5684

Inverse Universe

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



1.8811, 0.2010, 0.0881



3.2892, 0.1983, 0.0866



4.2938, 0.3130, 0.1498



3.3700, 0.3061, 0.3077



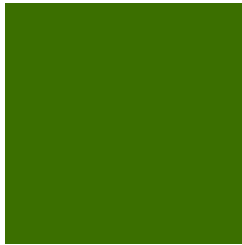
2.1986, 0.2001, 0.0876



10.4472, 0.1946, 0.0846

Previews

White Background



This preview shows how the Yxy color 12.2987, 0.3440, 0.5650 looks on a white background.

Color Contrast Check

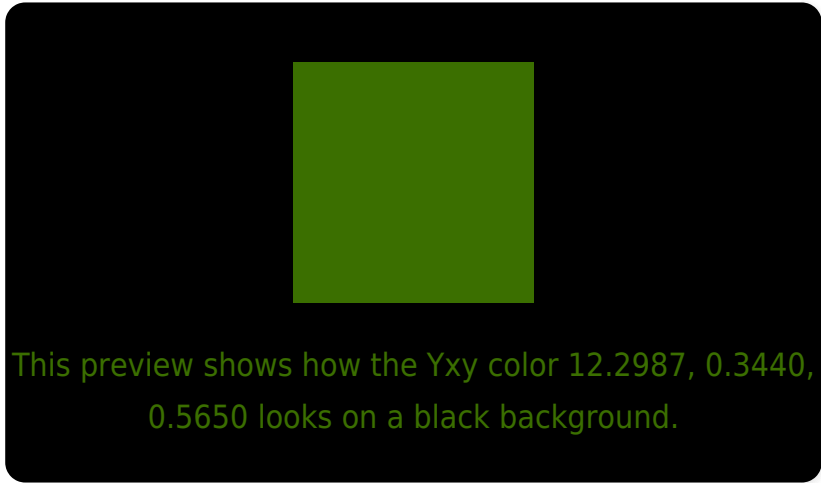
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2987, 0.3440, 0.5650

Background



This preview shows how black text looks on a background with the Yxy color 12.2987, 0.3440, 0.5650.



This preview shows how white text looks on a background with the Yxy color 12.2987, 0.3440, 0.5650.

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

12.2987, 0.3440, 0.5650

Protanopia

12.1149, 0.4404, 0.4885

Deuteranopia

12.0976, 0.4567, 0.4518



Tritanopia

12.2647, 0.2644, 0.3098

Trichromacy



Original Color

12.2987, 0.3440, 0.5650

Protanomaly

11.9758, 0.4017, 0.5193

Deuteranomaly

11.8554, 0.4134, 0.4954

Tritanomaly

11.9919, 0.3045, 0.4210

Monochromacy



Original Color

12.2987, 0.3440, 0.5650

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5416, 0.3395, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2987, 0.3440, 0.5650 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(59, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 111, 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(59, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2987, 0.3440, 0.5650 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(59, 111, 0) }
```

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

```
.border{ border-color:rgb(59, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 111, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2987, 0.3440, 0.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 111, 0) }
```

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

```
.background{ background-color: rgb(59, 111,  
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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