

Converting Colors

$Y_{xy}(20.3286, 0.3710, 0.5437)$

Have a look what the booklet for
Yxy(20.3286, 0.3710, 0.5437)
contains.

Yxy(20.4880, 0.3710, 0.5436)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4880, 0.3710, 0.5436)

Conversions

Conversions Part 1

Format	Color
Hex	628900
RGB	98, 137, 0
RGB Percent	38%, 54%, 0%
CMY	0.6157, 0.4627, 0.9998
CMYK	0.28, 0.00, 1.00, 0.46
HSL	77°, 100%, 27%
HSV	77°, 100%, 54%
XYZ	13.9828, 20.4880, 3.2187
YIQ	109.7210, 20.7330, -50.8750

Conversions

Conversions Part 2

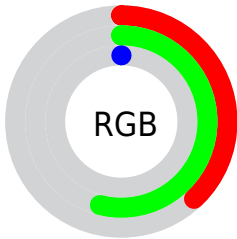
Format	Color
RYB	0, 137, 39
Decimal	6457600
CIELab	52.38, -30.81, 56.06
CIElCh	52, 63.973, 118.791
Yxy	20.4880, 0.3710, 0.5436
Android (android.graphics.Color)	4284647680 (0xFF628900)
YUV	109.7210, -54.0925, -10.2793
Hunter-Lab	45.2637, -24.0694, 27.4685

Details

The Yxy color **20.4880, 0.3710, 0.5436** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.2396, 0.1705, 0.0713**, and the grayscale version is **15.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4392, 0.3668, 0.4972**, and **7.3972, 0.3456, 0.5638** is the 20% darker color. If you saturate the color by 10%, you get **20.4881, 0.3710, 0.5436**, and if you desaturate by 10%, it is **20.7422, 0.3727, 0.5335**.

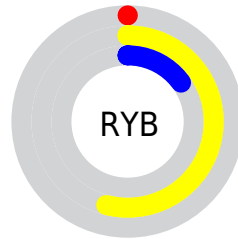
Distribution



Red (38%)

Green (54%)

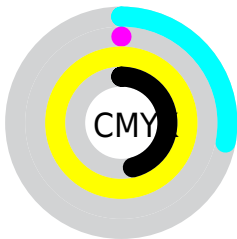
Blue (0%)



Red (0%)

Yellow (54%)

Blue (15%)

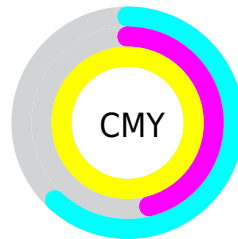


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (62%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4880, 0.3710, 0.5436 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 20.4880, 0.3710, 0.5436 by changing the saturation by 10% instead.


 20.4880, 0.3710,
0.5436


 20.4880, 0.3710,
0.5436


 254.5448, 0.3486,
0.4212


 12.7503, 0.3698,
0.5757


 44.2339, 0.3666,
0.4968

 7.2568, 0.3704,
0.6296


 61.0108, 0.3636,
0.4797

 3.6232, 0.3387,
0.6613

 81.5695, 0.3606,
0.4656

 1.4651, 0.2733,
0.7267

 106.2945, 0.3578,
0.4537


 0.2640, 0.0000,
1.0000


 135.5702, 0.3551,
0.4437

 0.0000, 0.0000,
0.0000


 169.7808, 0.3527,

0.4351


 209.3109, 0.3506,
0.4277

 20.4880, 0.3710,
0.5436


 20.4880, 0.3710,
0.5436


 20.4881, 0.3710,
0.5436

 20.7422, 0.3727,
0.5335

 21.0255, 0.3728,
0.5201

 21.3494, 0.3705,
0.5024

 21.7176, 0.3659,
0.4810

 22.1335, 0.3593,
0.4568

■ 22.5998, 0.3513,
0.4309

■ 23.1192, 0.3421,
0.4044

■ 23.6942, 0.3324,
0.3782

■ 24.3269, 0.3225,
0.3529

Harmonies

Analogous

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



20.4880, 0.4660, 0.4836



20.4880, 0.3710, 0.5436



20.4880, 0.2677, 0.5214

Triad

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



20.4880, 0.3710, 0.5436



20.4880, 0.1308, 0.1968



20.4880, 0.4462, 0.2604

Complementary

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



20.4880, 0.3710, 0.5436



2.2396, 0.1705, 0.0713

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.



20.4880, 0.3250, 0.2052



20.4880, 0.3710, 0.5436



20.4880, 0.1580, 0.1685

Square

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



20.4880, 0.3710, 0.5436



20.4880, 0.1368, 0.2710



20.4880, 0.2216, 0.1731



20.4880, 0.5269, 0.3288

Rectangle

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



20.4880, 0.3710, 0.5436



20.4880, 0.2067, 0.4459



20.4880, 0.2216, 0.1731



20.4880, 0.4070, 0.2400

Sweetspot

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



20.4889, 0.3710, 0.5436



41.3324, 0.3428, 0.4063



6.7600, 0.5959, 0.3650



9.1929, 0.3462, 0.4159



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.4889, 0.3710, 0.5436



36.6034, 0.3700, 0.5445



18.1641, 0.3091, 0.5927



5.7746, 0.3217, 0.3509



19.0899, 0.3711, 0.5435



0.1342, 0.3948, 0.5247

Inverse Universe

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



2.2396, 0.1705, 0.0713



3.9340, 0.1686, 0.0702



4.9535, 0.2679, 0.1250



4.9568, 0.3032, 0.3067



2.0900, 0.1707, 0.0714



0.0205, 0.2149, 0.0957

Previews

White Background



This preview shows how the Yxy color 20.4880, 0.3710, 0.5436 looks on a white background.

Color Contrast Check

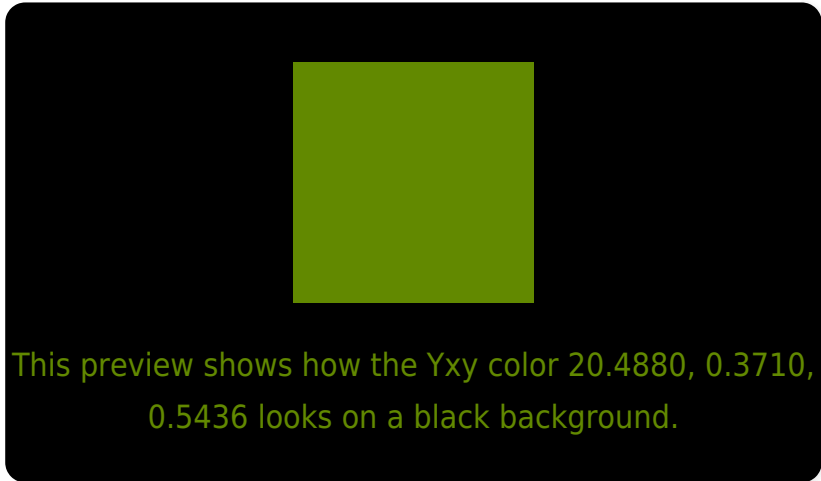
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

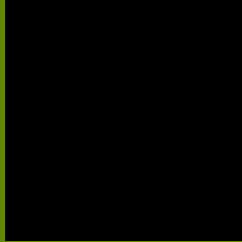
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4880, 0.3710, 0.5436

Background



This preview shows how black text looks on a background with the Yxy color 20.4880, 0.3710, 0.5436.



This preview shows how white text looks on a background with the Yxy color 20.4880, 0.3710, 0.5436.

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

20.4880, 0.3710, 0.5436

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.1995, 0.4616, 0.4533



Tritanopia

20.3644, 0.2843, 0.3102

Trichromacy



Original Color

20.4880, 0.3710, 0.5436

Protanomaly

20.0605, 0.4141, 0.5094

Deuteranomaly

19.9419, 0.4292, 0.4866

Tritanomaly

19.9849, 0.3301, 0.4180

Monochromacy



Original Color

20.4880, 0.3710, 0.5436

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.9393, 0.3526, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4880, 0.3710, 0.5436 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(98, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 137, 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(98, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.4880, 0.3710, 0.5436 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(98, 137, 0) }
```

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

```
.border{ border-color:rgb(98, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 137, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4880, 0.3710, 0.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 137, 0) }
```

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

```
.background{ background-color: rgb(98, 137,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor