

Converting Colors

$Y_{xy}(21.1891, 0.3649, 0.5485)$

Have a look what the booklet for
Yxy(21.1891, 0.3649, 0.5485)
contains.

Yxy(21.1891, 0.3649, 0.5485)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.1891, 0.3649, 0.5485)

Conversions

Conversions Part 1

Format	Color
Hex	5F8C00
RGB	95, 140, 0
RGB Percent	37%, 55%, 0%
CMY	0.6275, 0.4510, 1.0000
CMYK	0.32, 0.00, 1.00, 0.45
HSL	79°, 100%, 27%
HSV	79°, 100%, 55%
XYZ	14.0964, 21.1891, 3.3454
YIQ	110.5850, 18.1200, -53.0800

Conversions

Conversions Part 2

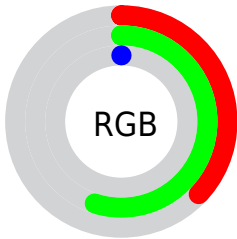
Format	Color
RYB	0, 140, 45
Decimal	6261760
CIELab	53.16, -33.42, 56.59
CIElCh	53, 65.725, 120.565
Yxy	21.1891, 0.3649, 0.5485
Android (android.graphics.Color)	4284451840 (0xFF5F8C00)
YUV	110.5850, -54.5184, -13.6680
Hunter-Lab	46.0316, -25.8926, 27.9131

Details

The Yxy color **21.1891, 0.3649, 0.5485** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.4518, 0.1750, 0.0737**, and the grayscale version is **15.9267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4850, 0.3620, 0.5003**, and **7.6370, 0.3379, 0.5699** is the 20% darker color. If you saturate the color by 10%, you get **21.1901, 0.3649, 0.5485**, and if you desaturate by 10%, it is **21.4699, 0.3672, 0.5379**.

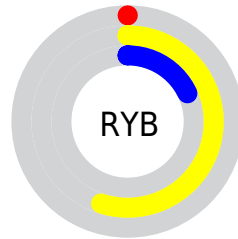
Distribution



Red (37%)

Green (55%)

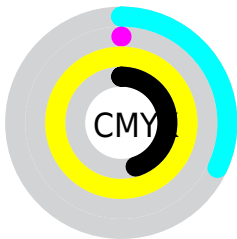
Blue (0%)



Red (0%)

Yellow (55%)

Blue (18%)

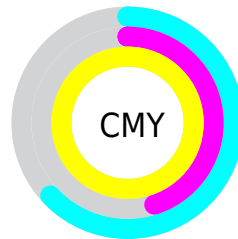


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (63%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1891, 0.3649, 0.5485 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 21.1891, 0.3649, 0.5485 by changing the saturation by 10% instead.


 21.1891, 0.3649,
0.5485


 21.1891, 0.3649,
0.5485


258.2818, 0.3463,
0.4232


 13.2623, 0.3626,
0.5815


 45.4020, 0.3621,
0.5005

 7.6094, 0.3610,
0.6357


 62.4570, 0.3596,
0.4830

 3.8461, 0.3290,
0.6710

 83.3234, 0.3570,
0.4685

 1.5878, 0.2636,
0.7364

 108.3857, 0.3545,
0.4564


 0.3494, 0.0000,
1.0000


 138.0283, 0.3522,
0.4462


 0.0000, 0.0000,
0.0000


 172.6356, 0.3501,


0.4374


 212.5919, 0.3481,
0.4299

 21.1891, 0.3649,
0.5485


 21.1891, 0.3649,
0.5485


 21.1901, 0.3649,
0.5485

 21.4699, 0.3672,
0.5379

 21.7843, 0.3679,
0.5239

 22.1442, 0.3662,
0.5055

 22.5538, 0.3622,
0.4834

 23.0165, 0.3563,
0.4585

■ 23.5354, 0.3489,
0.4321

■ 24.1135, 0.3404,
0.4051

■ 24.7532, 0.3313,
0.3786

■ 25.4570, 0.3220,
0.3531

Harmonies

Analogous

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



21.1891, 0.4623, 0.4895



21.1891, 0.3649, 0.5485



21.1891, 0.2607, 0.5199

Triad

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



21.1891, 0.3649, 0.5485



21.1891, 0.1295, 0.1922



21.1891, 0.4548, 0.2632

Complementary

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



21.1891, 0.3649, 0.5485



2.4518, 0.1750, 0.0737

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.



21.1891, 0.3323, 0.2064



21.1891, 0.3649, 0.5485



21.1891, 0.1589, 0.1661

Square

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



21.1891, 0.3649, 0.5485



21.1891, 0.1333, 0.2638



21.1891, 0.2255, 0.1724



21.1891, 0.5325, 0.3326

Rectangle

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



21.1891, 0.3649, 0.5485



21.1891, 0.2002, 0.4396



21.1891, 0.2255, 0.1724



21.1891, 0.4157, 0.2423

Sweetspot

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



21.1901, 0.3649, 0.5485



42.4421, 0.3410, 0.4068



7.4024, 0.5882, 0.3712



9.6899, 0.3442, 0.4169



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.1901, 0.3649, 0.5485



37.2671, 0.3638, 0.5493



18.9730, 0.3070, 0.5945



5.7657, 0.3212, 0.3509



18.8377, 0.3651, 0.5483



0.1330, 0.3913, 0.5275

Inverse Universe

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



2.4518, 0.1750, 0.0737



4.2442, 0.1731, 0.0727



5.4937, 0.2759, 0.1294



4.9652, 0.3037, 0.3068



2.1881, 0.1754, 0.0740



0.0218, 0.2220, 0.0997

Previews

White Background



This preview shows how the Yxy color 21.1891, 0.3649, 0.5485 looks on a white background.

Color Contrast Check

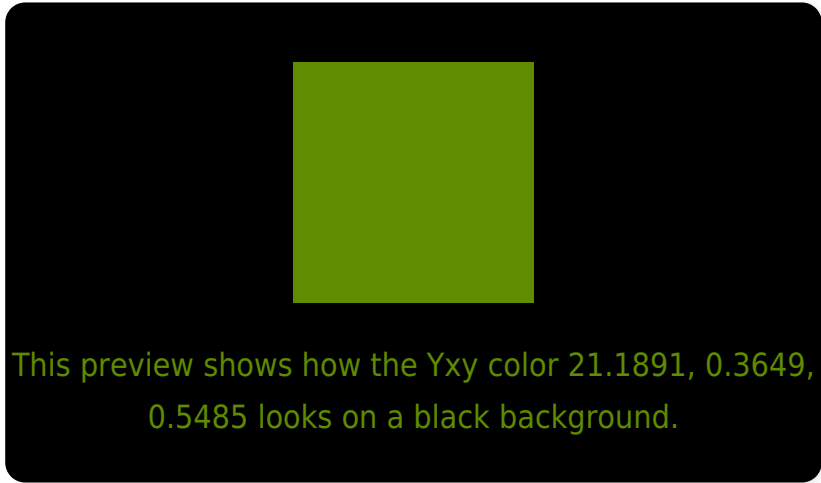
Large Text (above 18pt) WCAG AA ✓ Pass

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

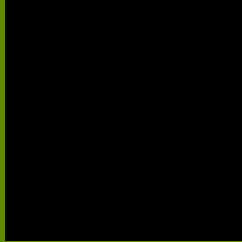
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1891, 0.3649, 0.5485

Background



This preview shows how black text looks on a background with the Yxy color 21.1891, 0.3649, 0.5485.



This preview shows how white text looks on a background with the Yxy color 21.1891, 0.3649, 0.5485.

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

21.1891, 0.3649, 0.5485

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.8830, 0.4607, 0.4535



Tritanopia

21.1396, 0.2787, 0.3086

Trichromacy



Original Color

21.1891, 0.3649, 0.5485

Protanomaly

20.9381, 0.4116, 0.5114

Deuteranomaly

20.4535, 0.4265, 0.4889

Tritanomaly

20.7314, 0.3239, 0.4177

Monochromacy



Original Color

21.1891, 0.3649, 0.5485

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.3773, 0.3491, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1891, 0.3649, 0.5485 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(95, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 140, 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(95, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1891, 0.3649, 0.5485 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(95, 140, 0) }
```

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

```
.border{ border-color:rgb(95, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(95, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1891, 0.3649, 0.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 140, 0) }
```

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

```
.background{ background-color: rgb(95, 140,  
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