

Converting Colors

$Y_{xy}(20.9370, 0.4055, 0.5746)$

Have a look what the booklet for
Yxy(20.9370, 0.4055, 0.5746)
contains.

Yxy(21.1425, 0.3845, 0.5329)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.1425, 0.3845, 0.5329)

Conversions

Conversions Part 1

Format	Color
Hex	6D8900
RGB	109, 137, 0
RGB Percent	43%, 54%, 0%
CMY	0.5724, 0.4628, 0.9999
CMYK	0.20, 0.00, 1.00, 0.46
HSL	72°, 100%, 27%
HSV	72°, 100%, 54%
XYZ	15.2548, 21.1425, 3.2771
YIQ	113.0100, 27.2890, -48.5430

Conversions

Conversions Part 2

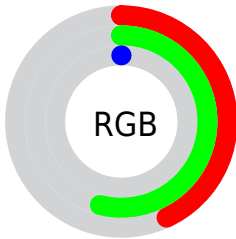
Format	Color
RYB	0, 137, 28
Decimal	7178496
CIELab	53.11, -26.14, 56.93
CIELCh	53, 62.650, 114.664
Yxy	21.1425, 0.3845, 0.5329
Android (android.graphics.Color)	4285368576 (0xFF6D8900)
YUV	113.0100, -55.7139, -3.5168
Hunter-Lab	45.9810, -21.2469, 27.9610

Details

The Yxy color **21.1425, 0.3845, 0.5329** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.0531, 0.1619, 0.0666**, and the grayscale version is **16.6816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1368, 0.3769, 0.4893**, and **7.6862, 0.3640, 0.5491** is the 20% darker color. If you saturate the color by 10%, you get **21.1432, 0.3845, 0.5329**, and if you desaturate by 10%, it is **21.3547, 0.3850, 0.5242**.

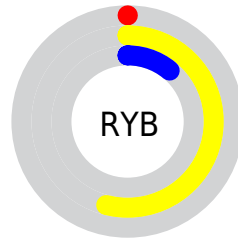
Distribution



Red (43%)

Green (54%)

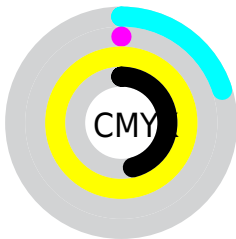
Blue (0%)



Red (0%)

Yellow (54%)

Blue (11%)

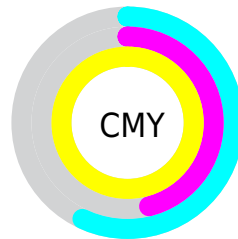


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (57%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1425, 0.3845, 0.5329 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 21.1425, 0.3845, 0.5329 by changing the saturation by 10% instead.

 21.1425, 0.3845,
0.5329


 21.1425, 0.3845,
0.5329


 258.0348, 0.3543,
0.4188


 13.2282, 0.3858,
0.5617


 45.3246, 0.3770,
0.4900

 7.5859, 0.3899,
0.6093

 62.3611, 0.3728,
0.4741

 3.8311, 0.3644,
0.6356

 83.2073, 0.3690,
0.4609

 1.5795, 0.3192,
0.6808

 108.2473, 0.3654,
0.4497


 0.3438, 0.0000,
1.0000


 137.8657, 0.3622,
0.4402


 0.0000, 0.0000,
0.0000


 172.4468, 0.3593,

0.4321

 212.3751, 0.3566,
0.4250


 21.1425, 0.3845,
0.5329


 21.1425, 0.3845,
0.5329


 21.1432, 0.3845,
0.5329

 21.3547, 0.3850,
0.5242

 21.5908, 0.3837,
0.5124

 21.8624, 0.3800,
0.4963

 22.1731, 0.3741,
0.4765

 22.5262, 0.3661,
0.4538

■ 22.9243, 0.3566,
0.4291

■ 23.3700, 0.3461,
0.4035

■ 23.8657, 0.3350,
0.3779

■ 24.4135, 0.3238,
0.3528

Harmonies

Analogous

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



21.1425, 0.4740, 0.4706



21.1425, 0.3845, 0.5329



21.1425, 0.2833, 0.5243

Triad

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



21.1425, 0.3845, 0.5329



21.1425, 0.1336, 0.2074



21.1425, 0.4270, 0.2539

Complementary

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



21.1425, 0.3845, 0.5329



2.0531, 0.1619, 0.0666

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.



21.1425, 0.3092, 0.2023



21.1425, 0.3845, 0.5329



21.1425, 0.1559, 0.1740

Square

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



21.1425, 0.3845, 0.5329



21.1425, 0.1446, 0.2876



21.1425, 0.2132, 0.1743



21.1425, 0.5142, 0.3201

Rectangle

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



21.1425, 0.3845, 0.5329



21.1425, 0.2212, 0.4595



21.1425, 0.2132, 0.1743



21.1425, 0.3880, 0.2346

Sweetspot

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



21.1435, 0.3845, 0.5329



41.7967, 0.3469, 0.4052



6.1211, 0.6140, 0.3507



9.3079, 0.3508, 0.4146



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.



21.1435, 0.3845, 0.5329



37.7954, 0.3837, 0.5335



18.3643, 0.3156, 0.5876



5.7943, 0.3229, 0.3508



19.7008, 0.3846, 0.5328



0.1369, 0.4023, 0.5188

Inverse Universe

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



2.0531, 0.1619, 0.0666



3.6177, 0.1604, 0.0657



4.2880, 0.2480, 0.1140



4.9383, 0.3020, 0.3066



1.9165, 0.1621, 0.0667



0.0179, 0.1983, 0.0866

Previews

White Background



This preview shows how the Yxy color 21.1425, 0.3845, 0.5329 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



This preview shows how the Yxy color 21.1425, 0.3845, 0.5329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

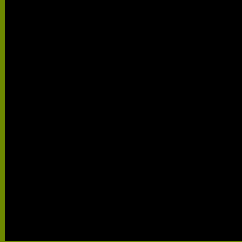
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1425, 0.3845, 0.5329

Background



This preview shows how black text looks on a background with the Yxy color 21.1425, 0.3845, 0.5329.



This preview shows how white text looks on a background with the Yxy color 21.1425, 0.3845, 0.5329.

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

21.1425, 0.3845, 0.5329

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.9767, 0.4629, 0.4540



Tritanopia

21.0498, 0.2952, 0.3109

Trichromacy



Original Color

21.1425, 0.3845, 0.5329

Protanomaly

21.0579, 0.4193, 0.5053

Deuteranomaly

20.6218, 0.4346, 0.4835

Tritanomaly

20.7026, 0.3436, 0.4142

Monochromacy



Original Color

21.1425, 0.3845, 0.5329

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.8317, 0.3575, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1425, 0.3845, 0.5329 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(109, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1425, 0.3845, 0.5329 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(109, 137, 0) }
```

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

```
.border{ border-color:rgb(109, 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(109, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1425, 0.3845, 0.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 137, 0) }
```

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

```
.background{ background-color: rgb(109,  
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