

Converting Colors

$Yxy(21.1616, 0.3824, 0.5346)$

Have a look what the booklet for
Yxy(21.1616, 0.3824, 0.5346)
contains.

Yxy(21.0795, 0.3832, 0.5339)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0795, 0.3832, 0.5339)

Conversions

Conversions Part 1

Format	Color
Hex	6C8900
RGB	108, 137, 0
RGB Percent	42%, 54%, 0%
CMY	0.5765, 0.4627, 0.9997
CMYK	0.21, 0.00, 1.00, 0.46
HSL	73°, 100%, 27%
HSV	73°, 100%, 54%
XYZ	15.1295, 21.0795, 3.2731
YIQ	112.7110, 26.6930, -48.7550

Conversions

Conversions Part 2

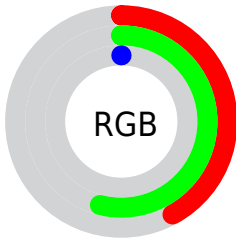
Format	Color
RYB	0, 137, 29
Decimal	7112960
CIELab	53.04, -26.59, 56.84
CIElCh	53, 62.755, 115.073
Yxy	21.0795, 0.3832, 0.5339
Android (android.graphics.Color)	4285303040 (0xFF6C8900)
YUV	112.7110, -55.5665, -4.1315
Hunter-Lab	45.9124, -21.5255, 27.9119

Details

The Yxy color **21.0795, 0.3832, 0.5339** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.0702, 0.1626, 0.0670**, and the grayscale version is **16.5876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0308, 0.3759, 0.4898**, and **7.6571, 0.3623, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **21.0794, 0.3832, 0.5339**, and if you desaturate by 10%, it is **21.2964, 0.3838, 0.5251**.

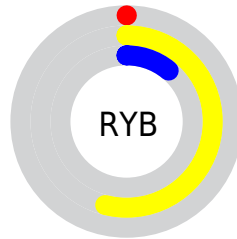
Distribution



Red (42%)

Green (54%)

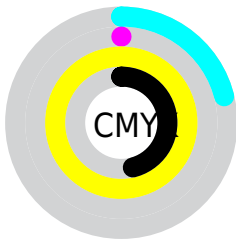
Blue (0%)



Red (0%)

Yellow (54%)

Blue (11%)

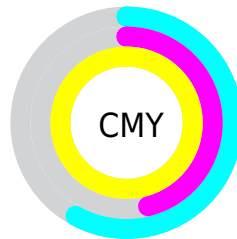


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (58%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0795, 0.3832, 0.5339 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 21.0795, 0.3832, 0.5339 by changing the saturation by 10% instead.


 21.0795, 0.3832,
0.5339


 21.0795, 0.3832,
0.5339


257.7007, 0.3537,
0.4190


 13.1821, 0.3843,
0.5630


 45.2198, 0.3760,
0.4906


 7.5541, 0.3881,
0.6112


 62.2315, 0.3719,
0.4746

 3.8110, 0.3620,
0.6380


 83.0502, 0.3682,
0.4613

 1.5684, 0.3154,
0.6846

 108.0601, 0.3647,
0.4501


 0.3361, 0.0000,
1.0000


 137.6457, 0.3615,
0.4406

 0.0000, 0.0000,
0.0000


 172.1914, 0.3586,


0.4324


 212.0816, 0.3560,
0.4253


 21.0795, 0.3832,
0.5339


 21.0795, 0.3832,
0.5339

 21.0794, 0.3832,
0.5339

 21.2964, 0.3838,
0.5251

 21.5378, 0.3827,
0.5131

 21.8151, 0.3791,
0.4968

 22.1320, 0.3733,
0.4769

 22.4916, 0.3654,
0.4540

■ 22.8968, 0.3561,
0.4292

■ 23.3501, 0.3457,
0.4035

■ 23.8538, 0.3348,
0.3778

■ 24.4101, 0.3236,
0.3528

Harmonies

Analogous

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



21.0795, 0.4732, 0.4718



21.0795, 0.3832, 0.5339



21.0795, 0.2818, 0.5240

Triad

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



21.0795, 0.3832, 0.5339



21.0795, 0.1333, 0.2064



21.0795, 0.4288, 0.2546

Complementary

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



21.0795, 0.3832, 0.5339



2.0702, 0.1626, 0.0670

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.



21.0795, 0.3107, 0.2026



21.0795, 0.3832, 0.5339



21.0795, 0.1561, 0.1735

Square

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



21.0795, 0.3832, 0.5339



21.0795, 0.1439, 0.2860



21.0795, 0.2140, 0.1742



21.0795, 0.5154, 0.3210

Rectangle

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



21.0795, 0.3832, 0.5339



21.0795, 0.2198, 0.4582



21.0795, 0.2140, 0.1742



21.0795, 0.3898, 0.2351

Sweetspot

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



21.0804, 0.3832, 0.5339



41.7518, 0.3465, 0.4053



6.1239, 0.6139, 0.3507



9.2968, 0.3503, 0.4147



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.



21.0804, 0.3832, 0.5339



37.6748, 0.3824, 0.5346



18.3674, 0.3156, 0.5875



5.7924, 0.3228, 0.3508



19.6391, 0.3833, 0.5339



0.1366, 0.4016, 0.5193

Inverse Universe

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



2.0702, 0.1626, 0.0670



3.6431, 0.1610, 0.0661



4.2905, 0.2480, 0.1140



4.9400, 0.3021, 0.3066



1.9306, 0.1628, 0.0671



0.0181, 0.2000, 0.0875

Previews

White Background



This preview shows how the Yxy color 21.0795, 0.3832, 0.5339 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 21.0795, 0.3832, 0.5339 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 21.0795, 0.3832, 0.5339

Background



This preview shows how black text looks on a background with the Yxy color 21.0795, 0.3832, 0.5339.



This preview shows how white text looks on a background with the Yxy color 21.0795, 0.3832, 0.5339.

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

21.0795, 0.3832, 0.5339

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.8741, 0.4617, 0.4548



Tritanopia

20.9780, 0.2941, 0.3108

Trichromacy



Original Color

21.0795, 0.3832, 0.5339

Protanomaly

20.9784, 0.4180, 0.5063

Deuteranomaly

20.5346, 0.4333, 0.4844

Tritanomaly

20.6337, 0.3423, 0.4145

Monochromacy



Original Color

21.0795, 0.3832, 0.5339

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7665, 0.3561, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0795, 0.3832, 0.5339 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(108, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.0795, 0.3832, 0.5339 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(108, 137, 0) }
```

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

```
.border{ border-color:rgb(108, 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(108, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0795, 0.3832, 0.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 137, 0) }
```

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

```
.background{ background-color: rgb(108,  
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