

Converting Colors

$Yxy(21.8808, 0.4671, 0.4340)$

Have a look what the booklet for
Yxy(21.8808, 0.4671, 0.4340)
contains.

Yxy(21.8929, 0.4670, 0.4340)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8929, 0.4670, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	AA7728
RGB	170, 119, 40
RGB Percent	67%, 47%, 16%
CMY	0.3333, 0.5333, 0.8430
CMYK	0.00, 0.30, 0.76, 0.33
HSL	36°, 62%, 41%
HSV	36°, 76%, 67%
XYZ	23.5576, 21.8929, 4.9940
YIQ	125.2430, 55.7550, -13.7570

Conversions

Conversions Part 2

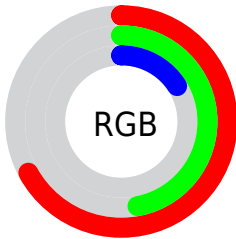
Format	Color
R_{YB}	124, 170, 40
Decimal	11171624
CIE _{Lab}	53.91, 12.73, 48.95
CIE _{LCh}	54, 50.576, 75.427
Yxy	21.8929, 0.4670, 0.4340
Android (android.graphics.Color)	4289361704 (0xFFAA7728)
YUV	125.2430, -42.0248, 39.2519
Hunter-Lab	46.7898, 7.9882, 26.4247

Details

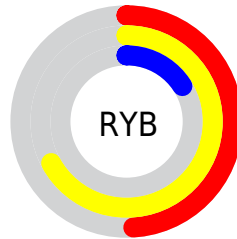
The Yxy color **21.8929, 0.4670, 0.4340** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.8400, 0.1909, 0.1742**, and the grayscale version is **20.7264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5392, 0.4369, 0.4170**, and **8.0172, 0.4993, 0.4417** is the 20% darker color. If you saturate the color by 10%, you get **20.2702, 0.4866, 0.4371**, and if you desaturate by 10%, it is **23.6802, 0.4452, 0.4262**.

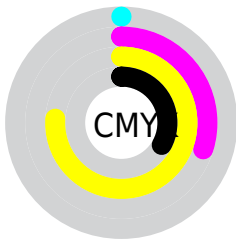
Distribution



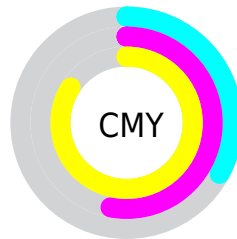
- Red (67%)
- Green (47%)
- Blue (16%)



- Red (49%)
- Yellow (67%)
- Blue (16%)



- Cyan (0%)
- Magenta (30%)
- Yellow (76%)
- Black (33%)





- Cyan (33%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8929, 0.4670, 0.4340 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 21.8929, 0.4670, 0.4340 by changing the saturation by 10% instead.

 21.8929, 0.4670,
0.4340


 21.8929, 0.4670,
0.4340


261.9865, 0.3847,
0.3832


 13.7782, 0.4866,
0.4431


 46.5689, 0.4371,
0.4174

 7.9666, 0.5103,
0.4519


 63.8991, 0.4257,
0.4104

 4.0736, 0.5407,
0.4593

 85.0698, 0.4161,
0.4043

 1.7148, 0.5576,
0.4424

 110.4655, 0.4079,
0.3990

 0.4332, 0.6251,
0.3749

 140.4707, 0.4009,
0.3943

 0.0000, 0.0000,
0.0000

 175.4696, 0.3948,

0.3901

215.8468, 0.3894,
0.3864

■ 21.8929, 0.4670,
0.4340

■ 21.8929, 0.4670,
0.4340

■ 20.2702, 0.4866,
0.4371

■ 23.6802, 0.4452,
0.4262

■ 18.7982, 0.5032,
0.4353

■ 25.6368, 0.4225,
0.4148

■ 18.3059, 0.5089,
0.4341

■ 27.7711, 0.3999,
0.4009

■ 30.0897, 0.3781,
0.3855

■ 32.5989, 0.3579,
0.3696

■ 35.3043, 0.3393,
0.3537

■ 38.2114, 0.3226,
0.3385

■ 41.3254, 0.3076,
0.3240

■ 44.6512, 0.2943,
0.3104

Harmonies

Analogous

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



21.8929, 0.4912, 0.3700



21.8929, 0.4670, 0.4340



21.8929, 0.4026, 0.4857

Triad

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



21.8929, 0.4670, 0.4340



21.8929, 0.1832, 0.3273



21.8929, 0.2840, 0.2130

Complementary

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



21.8929, 0.4670, 0.4340



10.8400, 0.1909, 0.1742

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.



21.8929, 0.2125, 0.1961



21.8929, 0.4670, 0.4340



21.8929, 0.1616, 0.2476

Square

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



21.8929, 0.4670, 0.4340



21.8929, 0.2389, 0.4278



21.8929, 0.1718, 0.2057



21.8929, 0.3766, 0.2523

Rectangle

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



21.8929, 0.4670, 0.4340



21.8929, 0.3479, 0.4976



21.8929, 0.1718, 0.2057



21.8929, 0.2570, 0.2046

Sweetspot

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



21.8940, 0.4670, 0.4340



60.6008, 0.3521, 0.3647



10.8384, 0.4664, 0.2623



13.1389, 0.3588, 0.3704



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.8940, 0.4670, 0.4340



34.8264, 0.4988, 0.4362



36.0704, 0.3970, 0.4996



8.2722, 0.3271, 0.3427



13.5772, 0.5076, 0.4351



0.4256, 0.4717, 0.4636

Inverse Universe

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



10.8400, 0.1909, 0.1742



14.0953, 0.1730, 0.1373



5.1794, 0.1783, 0.0974



7.7654, 0.2986, 0.3149



5.1640, 0.1687, 0.1271



0.2257, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 21.8929, 0.4670, 0.4340 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 21.8929, 0.4670, 0.4340 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 21.8929, 0.4670, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 21.8929, 0.4670, 0.4340.



This preview shows how white text looks on a background with the Yxy color 21.8929, 0.4670, 0.4340.

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

21.8929, 0.4670, 0.4340

Protanopia

22.1594, 0.4208, 0.4640

Deuteranopia

21.9938, 0.4531, 0.4459



Tritanopia

21.8389, 0.3868, 0.3157

Trichromacy



Original Color

21.8929, 0.4670, 0.4340

Protanomaly

21.9589, 0.4374, 0.4530

Deuteranomaly

22.0649, 0.4579, 0.4423

Tritanomaly

21.6742, 0.4220, 0.3638

Monochromacy



Original Color

21.8929, 0.4670, 0.4340

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6368, 0.3704, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8929, 0.4670, 0.4340 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(170, 119, 40)` looks like.

```
.text, #text, p{  
    color:rgb(170, 119, 40)  
}
```

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(170, 119, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 119, 40) }
```

Border

The CSS property to change the border of an element to Yxy 21.8929, 0.4670, 0.4340 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(170, 119, 40) }
```

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

```
.border{ border-color:rgb(170, 119, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 119, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 119, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 119, 40);  
box-shadow:4px 4px 4px 4px rgb(170, 119,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8929, 0.4670, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 119, 40) }
```

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

```
.background{ background-color: rgb(170,  
119, 40) }
```

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