

Converting Colors

$Y_{xy}(22.0091, 0.4499, 0.4381)$

Have a look what the booklet for
Yxy(22.0091, 0.4499, 0.4381)
contains.

Yxy(21.9029, 0.4504, 0.4373)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9029, 0.4504, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	A37A2E
RGB	163, 122, 46
RGB Percent	64%, 48%, 18%
CMY	0.3607, 0.5216, 0.8196
CMYK	0.00, 0.25, 0.72, 0.36
HSL	39°, 56%, 41%
HSV	39°, 72%, 64%
XYZ	22.5590, 21.9029, 5.6247
YIQ	125.5950, 48.8320, -14.9440

Conversions

Conversions Part 2

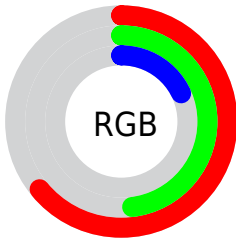
Format	Color
R_{YB}	109, 163, 46
Decimal	10713646
CIE _{Lab}	53.92, 8.18, 46.07
CIE _{LCh}	54, 46.792, 79.935
Yxy	21.9029, 0.4504, 0.4373
Android (android.graphics.Color)	4288903726 (0xFFA37A2E)
YUV	125.5950, -39.2403, 32.8042
Hunter-Lab	46.8005, 4.1406, 25.6346

Details

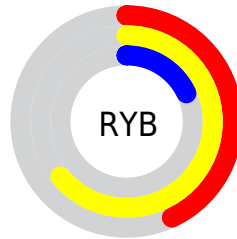
The Yxy color **21.9029, 0.4504, 0.4373** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.0468, 0.1949, 0.1756**, and the grayscale version is **20.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4888, 0.4236, 0.4184**, and **8.0234, 0.4827, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **20.4366, 0.4692, 0.4436**, and if you desaturate by 10%, it is **23.5027, 0.4298, 0.4268**.

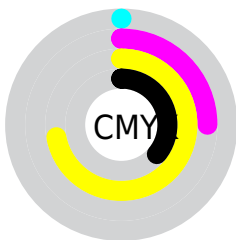
Distribution



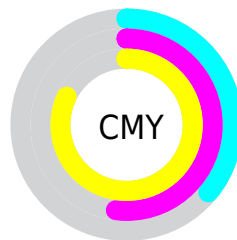
- Red (64%)
- Green (48%)
- Blue (18%)



- Red (43%)
- Yellow (64%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (72%)
- Black (36%)





- Cyan (36%)
- Magenta (52%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9029, 0.4504, 0.4373 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 21.9029, 0.4504, 0.4373 by changing the saturation by 10% instead.


 21.9029, 0.4504,
0.4373


 21.9029, 0.4504,
0.4373


262.0388, 0.3767,
0.3826

 13.7856, 0.4682,
0.4487


 46.5855, 0.4234,
0.4184

 7.9717, 0.4894,
0.4604


 63.9195, 0.4132,
0.4109

 4.0768, 0.5221,
0.4779

 85.0945, 0.4046,
0.4044

 1.7166, 0.5334,
0.4666

 110.4950, 0.3973,
0.3988

 0.4344, 0.5851,
0.4149

 140.5052, 0.3911,
0.3939

 0.0000, 0.0000,
0.0000

 175.5097, 0.3856,

0.3897

215.8927, 0.3809,
0.3859

■ 21.9029, 0.4504,
0.4373

■ 21.9029, 0.4504,
0.4373

■ 20.4366, 0.4692,
0.4436

■ 23.5027, 0.4298,
0.4268

■ 19.0933, 0.4854,
0.4451

■ 25.2391, 0.4086,
0.4133

■ 18.0688, 0.4970,
0.4436

■ 27.1189, 0.3875,
0.3977

■ 29.1472, 0.3673,
0.3811

■ 31.3290, 0.3484,
0.3642

■ 33.6686, 0.3310,
0.3476

■ 36.1705, 0.3153,
0.3317

■ 38.8388, 0.3012,
0.3167

■ 41.6773, 0.2886,
0.3028

Harmonies

Analogous

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



21.9029, 0.4785, 0.3783



21.9029, 0.4504, 0.4373



21.9029, 0.3870, 0.4793

Triad

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



21.9029, 0.4504, 0.4373



21.9029, 0.1866, 0.3152



21.9029, 0.2987, 0.2244

Complementary

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



21.9029, 0.4504, 0.4373



10.0468, 0.1949, 0.1756

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.



21.9029, 0.2275, 0.2050



21.9029, 0.4504, 0.4373



21.9029, 0.1703, 0.2458

Square

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



21.9029, 0.4504, 0.4373



21.9029, 0.2349, 0.4065



21.9029, 0.1842, 0.2105



21.9029, 0.3851, 0.2644

Rectangle

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



21.9029, 0.4504, 0.4373



21.9029, 0.3350, 0.4829



21.9029, 0.1842, 0.2105



21.9029, 0.2722, 0.2154

Sweetspot

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



21.9040, 0.4504, 0.4373



55.8420, 0.3495, 0.3653



10.4627, 0.4603, 0.2693



12.3123, 0.3543, 0.3696



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.9040, 0.4504, 0.4373



35.1678, 0.4790, 0.4451



32.6372, 0.3902, 0.4955



7.8173, 0.3270, 0.3436



14.1280, 0.4961, 0.4443



0.3803, 0.4623, 0.4711

Inverse Universe

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



10.0468, 0.1949, 0.1756



12.9120, 0.1756, 0.1390



5.6116, 0.1895, 0.1113



7.2472, 0.2987, 0.3140



4.4186, 0.1655, 0.1157



0.1790, 0.1859, 0.1892

Previews

White Background



This preview shows how the Yxy color 21.9029, 0.4504, 0.4373 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 21.9029, 0.4504, 0.4373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

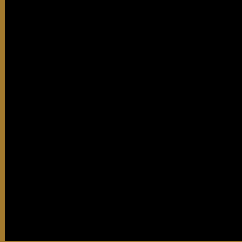
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9029, 0.4504, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 21.9029, 0.4504, 0.4373.



This preview shows how white text looks on a background with the Yxy color 21.9029, 0.4504, 0.4373.

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

21.9029, 0.4504, 0.4373

Protanopia

21.8432, 0.4169, 0.4580

Deuteranopia

21.9402, 0.4467, 0.4400



Tritanopia

21.7895, 0.3724, 0.3152

Trichromacy



Original Color

21.9029, 0.4504, 0.4373

Protanomaly

21.7063, 0.4300, 0.4501

Deuteranomaly

22.0446, 0.4480, 0.4393

Tritanomaly

21.6558, 0.4056, 0.3637

Monochromacy



Original Color

21.9029, 0.4504, 0.4373

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0193, 0.3631, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9029, 0.4504, 0.4373 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(163, 122, 46)` looks like.

```
.text, #text, p{  
    color:rgb(163, 122, 46)  
}
```

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(163, 122, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 122, 46) }
```

Border

The CSS property to change the border of an element to Yxy 21.9029, 0.4504, 0.4373 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(163, 122, 46) }
```

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

```
.border{ border-color:rgb(163, 122, 46) }
```

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

Here you see how a box with a 4 pixel rgb(163, 122, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 122, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 122, 46);  
box-shadow:4px 4px 4px 4px rgb(163, 122,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9029, 0.4504, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 122, 46) }
```

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

```
.background{ background-color: rgb(163,  
122, 46) }
```

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