

Converting Colors

$Y_{xy}(21.8635, 0.4216, 0.4106)$

Have a look what the booklet for
Yxy(21.8635, 0.4216, 0.4106)
contains.

Yxy(21.7449, 0.4216, 0.4094)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7449, 0.4216, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	9F7A47
RGB	159, 122, 71
RGB Percent	62%, 48%, 28%
CMY	0.3765, 0.5215, 0.7216
CMYK	0.00, 0.23, 0.55, 0.38
HSL	35°, 38%, 45%
HSV	35°, 55%, 62%
XYZ	22.3929, 21.7449, 8.9763
YIQ	127.2490, 38.4230, -8.0170

Conversions

Conversions Part 2

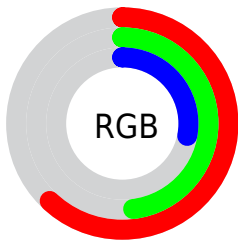
Format	Color
R_{YB}	135, 159, 71
Decimal	10451527
CIE _{Lab}	53.76, 8.14, 33.22
CIE _{LCh}	54, 34.206, 76.229
Yxy	21.7449, 0.4216, 0.4094
Android (android.graphics.Color)	4288641607 (0xFF9F7A47)
YUV	127.2490, -27.7308, 27.8456
Hunter-Lab	46.6314, 4.1125, 21.2290

Details

The Yxy color **21.7449, 0.4216, 0.4094** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.5604, 0.2234, 0.2288**, and the grayscale version is **21.4009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2515, 0.3985, 0.3930**, and **7.9710, 0.4584, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **19.9830, 0.4453, 0.4206**, and if you desaturate by 10%, it is **23.6751, 0.3983, 0.3959**.

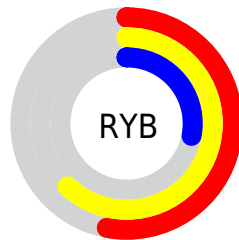
Distribution



Red (62%)

Green (48%)

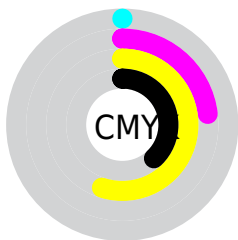
Blue (28%)



Red (53%)

Yellow (62%)

Blue (28%)

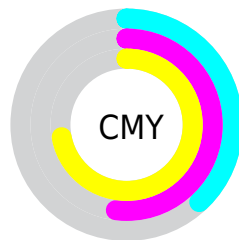


Cyan (0%)

Magenta (23%)

Yellow (55%)

Black (38%)



Cyan (38%)

Magenta (52%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7449, 0.4216, 0.4094 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 21.7449, 0.4216, 0.4094 by changing the saturation by 10% instead.


 21.7449, 0.4216,
0.4094


 21.7449, 0.4216,
0.4094


261.2112, 0.3613,
0.3670


 13.6696, 0.4380,
0.4198


 46.3240, 0.3985,
0.3938


 7.8912, 0.4595,
0.4323

 63.5966, 0.3901,
0.3880


 4.0254, 0.4906,
0.4491

 84.7037, 0.3832,
0.3831

 1.6878, 0.5334,
0.4666

 110.0297, 0.3774,
0.3789

 0.4157, 0.5882,
0.4118

 139.9591, 0.3725,
0.3753

 0.0000, 0.0000,
0.0000

174.8762, 0.3682,

0.3721

215.1654, 0.3645,
0.3694

■ 21.7449, 0.4216,
0.4094

■ 21.7449, 0.4216,
0.4094

■ 19.9830, 0.4453,
0.4206

■ 23.6751, 0.3983,
0.3959

■ 18.3797, 0.4684,
0.4284

■ 25.7765, 0.3763,
0.3811

■ 16.9290, 0.4897,
0.4317

■ 28.0557, 0.3559,
0.3659

■ 15.6219, 0.5079,
0.4300

■ 30.5180, 0.3374,
0.3509

■ 15.0549, 0.5161,
0.4284

■ 33.1682, 0.3208,
0.3364

■ 36.0112, 0.3061,
0.3228

■ 39.0515, 0.2931,
0.3100

■ 42.2935, 0.2816,
0.2982

■ 45.7413, 0.2714,
0.2874

Harmonies

Analogous

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



21.7449, 0.4355, 0.3651



21.7449, 0.4216, 0.4094



21.7449, 0.3782, 0.4384

Triad

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



21.7449, 0.4216, 0.4094



21.7449, 0.2209, 0.3288



21.7449, 0.2959, 0.2457

Complementary

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



21.7449, 0.4216, 0.4094



14.5604, 0.2234, 0.2288

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.



21.7449, 0.2433, 0.2331



21.7449, 0.4216, 0.4094



21.7449, 0.2036, 0.2740

Square

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



21.7449, 0.4216, 0.4094



21.7449, 0.2622, 0.3920



21.7449, 0.2115, 0.2416



21.7449, 0.3589, 0.2757

Rectangle

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



21.7449, 0.4216, 0.4094



21.7449, 0.3399, 0.4406



21.7449, 0.2115, 0.2416



21.7449, 0.2765, 0.2393

Sweetspot

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



21.7460, 0.4216, 0.4094



53.7668, 0.3409, 0.3538



12.9817, 0.4000, 0.2688



11.9332, 0.3443, 0.3566



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.7460, 0.4216, 0.4094



35.2245, 0.4498, 0.4224



32.0310, 0.3843, 0.4611



7.2527, 0.3270, 0.3420



11.9767, 0.5150, 0.4292



0.2967, 0.4686, 0.4661

Inverse Universe

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



14.5604, 0.2234, 0.2288



21.1050, 0.2054, 0.2025



8.5798, 0.2141, 0.1589



6.8704, 0.2988, 0.3157



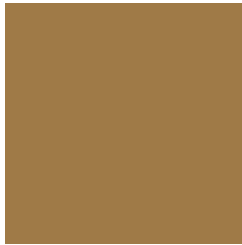
5.2096, 0.1711, 0.1359



0.1749, 0.1925, 0.2129

Previews

White Background



This preview shows how the Yxy color 21.7449, 0.4216, 0.4094 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 21.7449, 0.4216, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

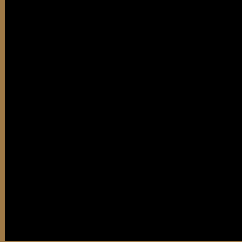
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7449, 0.4216, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 21.7449, 0.4216, 0.4094.



This preview shows how white text looks on a background with the Yxy color 21.7449, 0.4216, 0.4094.

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

21.7449, 0.4216, 0.4094

Protanopia

21.8443, 0.3902, 0.4254

Deuteranopia

21.7889, 0.4181, 0.4118



Tritanopia

21.7580, 0.3626, 0.3149

Trichromacy



Original Color

21.7449, 0.4216, 0.4094

Protanomaly

21.6855, 0.4028, 0.4191

Deuteranomaly

21.8900, 0.4194, 0.4113

Tritanomaly

21.6582, 0.3868, 0.3501

Monochromacy



Original Color

21.7449, 0.4216, 0.4094

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2177, 0.3511, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7449, 0.4216, 0.4094 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(159, 122, 71)` looks like.

```
.text, #text, p{  
    color:rgb(159, 122, 71)  
}
```

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(159, 122, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 122, 71) }
```

Border

The CSS property to change the border of an element to Yxy 21.7449, 0.4216, 0.4094 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(159, 122, 71) }
```

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

```
.border{ border-color:rgb(159, 122, 71) }
```

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

Here you see how a box with a 4 pixel rgb(159, 122, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 122, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 122, 71);  
box-shadow:4px 4px 4px 4px rgb(159, 122,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7449, 0.4216, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 122, 71) }
```

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

```
.background{ background-color: rgb(159,  
122, 71) }
```

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](#).

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