

Converting Colors

$Y_{xy}(21.4380, 0.4030, 0.4420)$

Have a look what the booklet for
Yxy(21.4380, 0.4030, 0.4420)
contains.

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Color

Yxy(21.4380, 0.4030, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	8D803D
RGB	141, 128, 61
RGB Percent	55%, 50%, 24%
CMY	0.4470, 0.4980, 0.7609
CMYK	0.00, 0.09, 0.57, 0.45
HSL	50°, 40%, 40%
HSV	50°, 57%, 55%
XYZ	19.5464, 21.4380, 7.5179
YIQ	124.2490, 29.2550, -18.0810

Conversions

Conversions Part 2

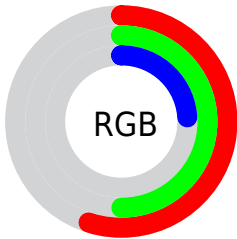
Format	Color
RYB	77, 141, 61
Decimal	9273405
CIELab	53.43, -4.12, 37.65
CIELCh	53, 37.875, 96.243
Yxy	21.4380, 0.4030, 0.4420
Android (android.graphics.Color)	4287463485 (0xFF8D803D)
YUV	124.2490, -31.1818, 14.6906
Hunter-Lab	46.3012, -5.6719, 22.7840

Details

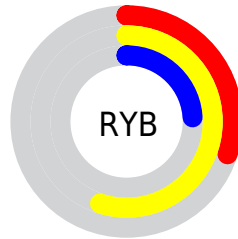
The Yxy color **21.4380, 0.4030, 0.4420** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.8086, 0.2124, 0.1807**, and the grayscale version is **20.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9312, 0.3841, 0.4184**, and **7.6932, 0.4291, 0.4793** is the 20% darker color. If you saturate the color by 10%, you get **20.7155, 0.4176, 0.4572**, and if you desaturate by 10%, it is **22.2159, 0.3871, 0.4241**.

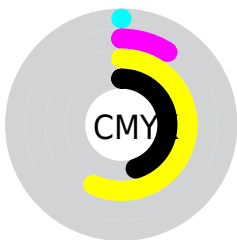
Distribution



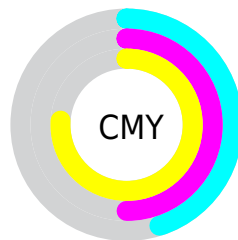
- Red (55%)
- Green (50%)
- Blue (24%)



- Red (30%)
- Yellow (55%)
- Blue (24%)



- Cyan (0%)
- Magenta (9%)
- Yellow (57%)
- Black (45%)





- Cyan (45%)
- Magenta (50%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4380, 0.4030, 0.4420 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 21.4380, 0.4030, 0.4420 by changing the saturation by 10% instead.


 21.4380, 0.4030,
0.4420


 21.4380, 0.4030,
0.4420


 259.5971, 0.3545,
0.3797


 13.4445, 0.4151,
0.4585


 45.8154, 0.3850,
0.4183


 7.7354, 0.4298,
0.4794


 62.9680, 0.3783,
0.4097


 3.9261, 0.4571,
0.5177

 83.9426, 0.3727,
0.4025

 1.6323, 0.4626,
0.5374

 109.1234, 0.3679,
0.3965

 0.3792, 0.4067,
0.5933

 138.8949, 0.3638,
0.3914

 0.0000, 0.0000,
0.0000

 173.6414, 0.3603,

0.3870

213.7473, 0.3572,
0.3831

■ 21.4380, 0.4030,
0.4420

■ 21.4380, 0.4030,
0.4420

■ 20.7155, 0.4176,
0.4572

■ 22.2159, 0.3871,
0.4241

■ 20.0422, 0.4302,
0.4688

■ 23.0493, 0.3706,
0.4044

■ 19.4153, 0.4403,
0.4762

■ 23.9417, 0.3541,
0.3837

■ 18.8283, 0.4481,
0.4796

■ 24.8957, 0.3380,
0.3628

■ 18.6427, 0.4505,
0.4805

■ 25.9135, 0.3226,
0.3424

■ 26.9974, 0.3082,
0.3228

■ 28.1494, 0.2948,
0.3042

■ 29.3714, 0.2826,
0.2869

■ 30.6653, 0.2715,
0.2709

Harmonies

Analogous

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



21.4380, 0.4425, 0.4010



21.4380, 0.4030, 0.4420



21.4380, 0.3417, 0.4540

Triad

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



21.4380, 0.4030, 0.4420



21.4380, 0.1961, 0.2849



21.4380, 0.3402, 0.2577

Complementary

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



21.4380, 0.4030, 0.4420



7.8086, 0.2124, 0.1807

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.



21.4380, 0.2723, 0.2308



21.4380, 0.4030, 0.4420



21.4380, 0.1959, 0.2411

Square

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



21.4380, 0.4030, 0.4420



21.4380, 0.2236, 0.3521



21.4380, 0.2219, 0.2240



21.4380, 0.4065, 0.2997

Rectangle

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



21.4380, 0.4030, 0.4420



21.4380, 0.2973, 0.4366



21.4380, 0.2219, 0.2240



21.4380, 0.3166, 0.2467

Sweetspot

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



21.4390, 0.4030, 0.4420



44.4721, 0.3389, 0.3641



9.4962, 0.4479, 0.3060



9.8662, 0.3416, 0.3677



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.4390, 0.4030, 0.4420



36.7596, 0.4212, 0.4607



22.9884, 0.3594, 0.4762



6.1383, 0.3262, 0.3473



17.0156, 0.4503, 0.4806



0.1884, 0.4334, 0.4941

Inverse Universe

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



7.8086, 0.2124, 0.1807



9.9639, 0.1898, 0.1433



7.3150, 0.2387, 0.1668



5.3878, 0.2990, 0.3100



2.3259, 0.1548, 0.0771



0.0438, 0.1708, 0.1349

Previews

White Background



This preview shows how the Yxy color 21.4380, 0.4030, 0.4420 looks on a white background.

Color Contrast Check

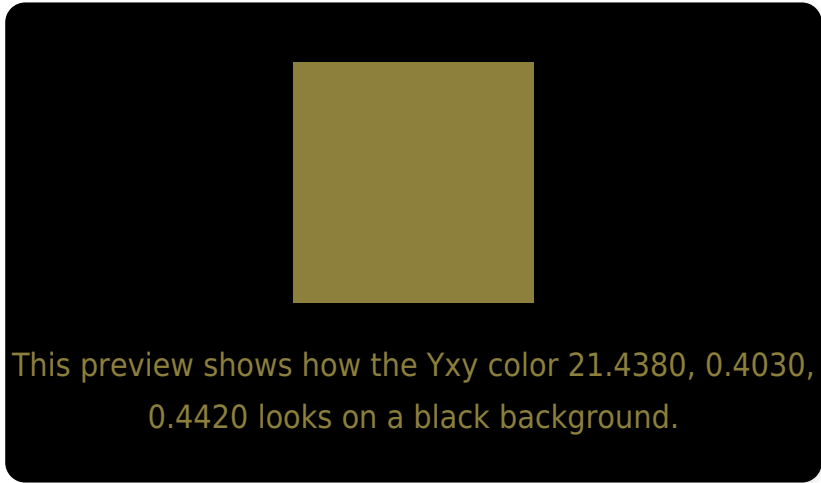
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 21.4380, 0.4030, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 21.4380, 0.4030, 0.4420.



This preview shows how white text looks on a background with the Yxy color 21.4380, 0.4030, 0.4420.

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

21.4380, 0.4030, 0.4420

Protanopia

21.4380, 0.4030, 0.4420

Deuteranopia

21.4460, 0.4275, 0.4213



Tritanopia

21.4895, 0.3345, 0.3139

Trichromacy



Original Color

21.4380, 0.4030, 0.4420

Protanomaly

21.4380, 0.4030, 0.4420

Deuteranomaly

21.3424, 0.4188, 0.4289

Tritanomaly

21.4550, 0.3617, 0.3620

Monochromacy



Original Color

21.4380, 0.4030, 0.4420

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3526, 0.3467, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4380, 0.4030, 0.4420 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(141, 128, 61)` looks like.

```
.text, #text, p{  
    color:rgb(141, 128, 61)  
}
```

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(141, 128, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 128, 61) }
```

Border

The CSS property to change the border of an element to Yxy 21.4380, 0.4030, 0.4420 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(141, 128, 61) }
```

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

```
.border{ border-color:rgb(141, 128, 61) }
```

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

Here you see how a box with a 4 pixel rgb(141, 128, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 128, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 128, 61);  
box-shadow:4px 4px 4px 4px rgb(141, 128,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4380, 0.4030, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 128, 61) }
```

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

```
.background{ background-color: rgb(141,  
128, 61) }
```

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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