

Converting Colors

$Y_{xy}(21.5615, 0.4192, 0.4418)$

Have a look what the booklet for
Yxy(21.5615, 0.4192, 0.4418)
contains.

Yxy(21.5031, 0.4186, 0.4415)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5031, 0.4186, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	947E38
RGB	148, 126, 56
RGB Percent	58%, 49%, 22%
CMY	0.4196, 0.5059, 0.7805
CMYK	0.00, 0.15, 0.62, 0.42
HSL	46°, 45%, 40%
HSV	46°, 62%, 58%
XYZ	20.3878, 21.5031, 6.8138
YIQ	124.5980, 35.5820, -17.1060

Conversions

Conversions Part 2

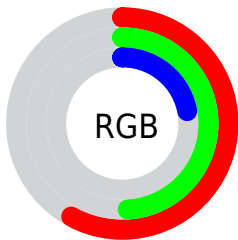
Format	Color
R _Y B	85, 148, 56
Decimal	9731640
CIE Lab	53.50, -0.25, 40.42
CIE LCh	53, 40.418, 90.349
Yxy	21.5031, 0.4186, 0.4415
Android (android.graphics.Color)	4287921720 (0xFF947E38)
YUV	124.5980, -33.8188, 20.5236
Hunter-Lab	46.3714, -2.6703, 23.7480

Details

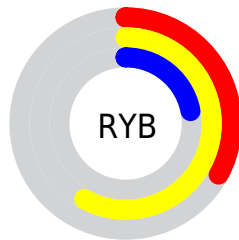
The Yxy color **21.5031, 0.4186, 0.4415** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.4240, 0.2052, 0.1783**, and the grayscale version is **20.4727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7188, 0.3972, 0.4182**, and **7.6962, 0.4500, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **20.4911, 0.4348, 0.4538**, and if you desaturate by 10%, it is **22.5920, 0.4011, 0.4261**.

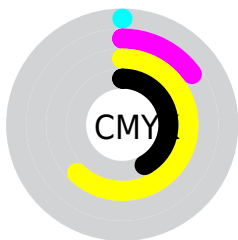
Distribution



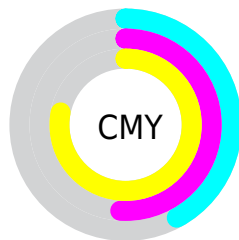
- Red (58%)
- Green (49%)
- Blue (22%)



- Red (33%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (15%)
- Yellow (62%)
- Black (42%)



- Cyan (42%)
- Magenta (51%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5031, 0.4186, 0.4415 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 21.5031, 0.4186, 0.4415 by changing the saturation by 10% instead.

21.5031, 0.4186,
0.4415

21.5031, 0.4186,
0.4415

259.9402, 0.3617,
0.3809

13.4922, 0.4327,
0.4566

45.9233, 0.3975,
0.4190

7.7684, 0.4498,
0.4748

63.1015, 0.3896,
0.4107

3.9471, 0.4858,
0.5133

84.1043, 0.3830,
0.4036

1.6440, 0.4859,
0.5141

109.3160, 0.3774,
0.3977

0.3870, 0.4832,
0.5168

139.1210, 0.3726,
0.3926

0.0000, 0.0000,
0.0000

173.9038, 0.3685,

0.3882

214.0488, 0.3648,
0.3843

■ 21.5031, 0.4186,
0.4415

■ 21.5031, 0.4186,
0.4415

■ 20.4911, 0.4348,
0.4538

■ 22.5920, 0.4011,
0.4261

■ 19.5486, 0.4489,
0.4620

■ 23.7585, 0.3830,
0.4085

■ 18.6718, 0.4603,
0.4657

■ 25.0070, 0.3650,
0.3897

■ 18.0221, 0.4680,
0.4666

■ 26.3405, 0.3476,
0.3704

■ 27.7621, 0.3312,
0.3513

■ 29.2745, 0.3159,
0.3329

■ 30.8802, 0.3019,
0.3154

■ 32.5816, 0.2891,
0.2991

■ 34.3813, 0.2776,
0.2839

Harmonies

Analogous

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



21.5031, 0.4545, 0.3940



21.5031, 0.4186, 0.4415



21.5031, 0.3565, 0.4636

Triad

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



21.5031, 0.4186, 0.4415



21.5031, 0.1927, 0.2940



21.5031, 0.3269, 0.2466

Complementary

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



21.5031, 0.4186, 0.4415



8.4240, 0.2052, 0.1783

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.



21.5031, 0.2573, 0.2221



21.5031, 0.4186, 0.4415



21.5031, 0.1872, 0.2423

Square

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



21.5031, 0.4186, 0.4415



21.5031, 0.2270, 0.3689



21.5031, 0.2091, 0.2194



21.5031, 0.4002, 0.2881

Rectangle

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



21.5031, 0.4186, 0.4415



21.5031, 0.3095, 0.4525



21.5031, 0.2091, 0.2194



21.5031, 0.3021, 0.2363

Sweetspot

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



21.5041, 0.4186, 0.4415



47.1590, 0.3429, 0.3650



9.6866, 0.4530, 0.2918



10.6189, 0.3473, 0.3700



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.5041, 0.4186, 0.4415



35.4196, 0.4411, 0.4578



25.8270, 0.3710, 0.4848



6.5121, 0.3265, 0.3458



15.4356, 0.4676, 0.4669



0.2343, 0.4412, 0.4878

Inverse Universe

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



8.4240, 0.2052, 0.1783



10.4472, 0.1826, 0.1396



6.6257, 0.2200, 0.1460



5.8448, 0.2989, 0.3117



2.9097, 0.1584, 0.0903



0.0753, 0.1787, 0.1634

Previews

White Background



This preview shows how the Yxy color 21.5031, 0.4186, 0.4415 looks on a white background.

Color Contrast Check

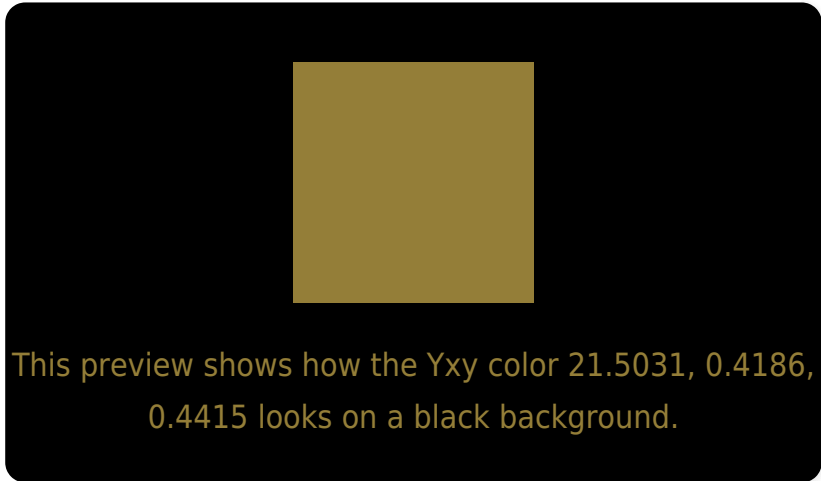
Large Text (above 18pt) WCAG AA ✓ Pass

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

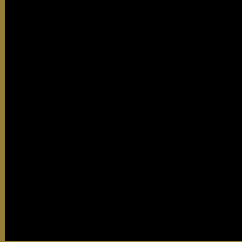
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5031, 0.4186, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 21.5031, 0.4186, 0.4415.



This preview shows how white text looks on a background with the Yxy color 21.5031, 0.4186, 0.4415.

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

21.5031, 0.4186, 0.4415

Protanopia

21.4845, 0.4079, 0.4468

Deuteranopia

21.4836, 0.4347, 0.4284



Tritanopia

21.3854, 0.3466, 0.3127

Trichromacy



Original Color

21.5031, 0.4186, 0.4415

Protanomaly

21.4034, 0.4115, 0.4441

Deuteranomaly

21.3314, 0.4285, 0.4322

Tritanomaly

21.3095, 0.3760, 0.3611

Monochromacy



Original Color

21.5031, 0.4186, 0.4415

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5739, 0.3517, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5031, 0.4186, 0.4415 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(148, 126, 56)` looks like.

```
.text, #text, p{  
    color:rgb(148, 126, 56)  
}
```

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(148, 126, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 126, 56) }
```

Border

The CSS property to change the border of an element to Yxy 21.5031, 0.4186, 0.4415 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(148, 126, 56) }
```

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

```
.border{ border-color:rgb(148, 126, 56) }
```

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

Here you see how a box with a 4 pixel rgb(148, 126, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 126, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 126, 56);  
box-shadow:4px 4px 4px 4px rgb(148, 126,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5031, 0.4186, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 126, 56) }
```

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

```
.background{ background-color: rgb(148,  
126, 56) }
```

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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