

Converting Colors

$Y_{xy}(21.6613, 0.4394, 0.4425)$

Have a look what the booklet for
Yxy(21.6613, 0.4394, 0.4425)
contains.

Yxy(21.7886, 0.4398, 0.4431)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7886, 0.4398, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	9D7C2F
RGB	157, 124, 47
RGB Percent	62%, 49%, 18%
CMY	0.3843, 0.5137, 0.8156
CMYK	0.00, 0.21, 0.70, 0.38
HSL	42°, 54%, 40%
HSV	42°, 70%, 62%
XYZ	21.6263, 21.7886, 5.7582
YIQ	125.0890, 44.3850, -16.9510

Conversions

Conversions Part 2

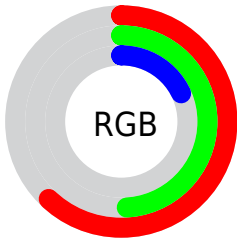
Format	Color
RYB	94, 157, 47
Decimal	10320943
CIELab	53.80, 4.38, 45.28
CIElCh	54, 45.488, 84.479
Yxy	21.7886, 0.4398, 0.4431
Android (android.graphics.Color)	4288511023 (0xFF9D7C2F)
YUV	125.0890, -38.4979, 27.9859
Hunter-Lab	46.6783, 1.0132, 25.3608

Details

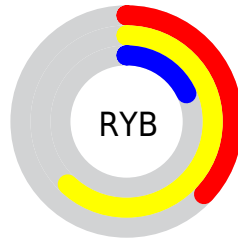
The Yxy color **21.7886, 0.4398, 0.4431** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.7816, 0.1949, 0.1690**, and the grayscale version is **20.6624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2099, 0.4149, 0.4222**, and **7.9937, 0.4695, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **20.5320, 0.4568, 0.4512**, and if you desaturate by 10%, it is **23.1494, 0.4210, 0.4311**.

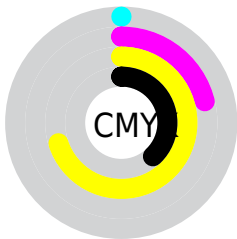
Distribution



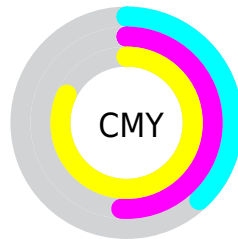
- Red (62%)
- Green (49%)
- Blue (18%)



- Red (37%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (38%)




- Cyan (38%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7886, 0.4398, 0.4431 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 21.7886, 0.4398, 0.4431 by changing the saturation by 10% instead.


 21.7886, 0.4398,
0.4431


 21.7886, 0.4398,
0.4431


261.4403, 0.3720,
0.3840


 13.7016, 0.4561,
0.4562


 46.3964, 0.4150,
0.4222


 7.9135, 0.4753,
0.4707


 63.6859, 0.4056,
0.4140


 4.0396, 0.5062,
0.4938

 84.8119, 0.3977,
0.4071

 1.6957, 0.5124,
0.4876

 110.1585, 0.3910,
0.4011

 0.4209, 0.5463,
0.4537

 140.1103, 0.3852,
0.3959

 0.0000, 0.0000,
0.0000

 175.0516, 0.3802,

0.3914

215.3668, 0.3758,
0.3875

■ 21.7886, 0.4398,
0.4431

■ 21.7886, 0.4398,
0.4431

■ 20.5320, 0.4568,
0.4512

■ 23.1494, 0.4210,
0.4311

■ 19.3704, 0.4713,
0.4546

■ 24.6163, 0.4014,
0.4162

■ 18.2962, 0.4835,
0.4543

■ 26.1950, 0.3817,
0.3994

■ 27.8898, 0.3627,
0.3816

■ 29.7045, 0.3447,
0.3636

■ 31.6429, 0.3280,
0.3460

■ 33.7084, 0.3128,
0.3291

■ 35.9042, 0.2990,
0.3131

■ 38.2336, 0.2866,
0.2983

Harmonies

Analogous

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



21.7886, 0.4733, 0.3869



21.7886, 0.4398, 0.4431



21.7886, 0.3745, 0.4784

Triad

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



21.7886, 0.4398, 0.4431



21.7886, 0.1851, 0.3035



21.7886, 0.3115, 0.2314

Complementary

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



21.7886, 0.4398, 0.4431



8.7816, 0.1949, 0.1690

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.



21.7886, 0.2384, 0.2090



21.7886, 0.4398, 0.4431



21.7886, 0.1736, 0.2406

Square

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



21.7886, 0.4398, 0.4431



21.7886, 0.2279, 0.3911



21.7886, 0.1916, 0.2106



21.7886, 0.3955, 0.2733

Rectangle

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



21.7886, 0.4398, 0.4431



21.7886, 0.3229, 0.4754



21.7886, 0.1916, 0.2106



21.7886, 0.2848, 0.2215

Sweetspot

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



21.7897, 0.4398, 0.4431



52.7408, 0.3471, 0.3660



9.8109, 0.4666, 0.2785



11.4210, 0.3516, 0.3706



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.7897, 0.4398, 0.4431



35.5894, 0.4652, 0.4537



29.6255, 0.3830, 0.4963



7.3840, 0.3268, 0.3446



14.9261, 0.4828, 0.4548



0.3368, 0.4525, 0.4789

Inverse Universe

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



8.7816, 0.1949, 0.1690



11.0275, 0.1745, 0.1310



5.6701, 0.1982, 0.1191



6.7437, 0.2988, 0.3129



3.6942, 0.1620, 0.1032



0.1350, 0.1830, 0.1788

Previews

White Background



This preview shows how the Yxy color 21.7886, 0.4398, 0.4431 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 21.7886, 0.4398, 0.4431 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 21.7886, 0.4398, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 21.7886, 0.4398, 0.4431.



This preview shows how white text looks on a background with the Yxy color 21.7886, 0.4398, 0.4431.

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

21.7886, 0.4398, 0.4431

Protanopia

21.8432, 0.4169, 0.4580

Deuteranopia

21.7095, 0.4463, 0.4367



Tritanopia

21.7580, 0.3626, 0.3149

Trichromacy



Original Color

21.7886, 0.4398, 0.4431

Protanomaly

21.7817, 0.4255, 0.4517

Deuteranomaly

21.8529, 0.4439, 0.4387

Tritanomaly

21.6338, 0.3953, 0.3646

Monochromacy



Original Color

21.7886, 0.4398, 0.4431

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.8487, 0.3605, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7886, 0.4398, 0.4431 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(157, 124, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 124, 47)  
}
```

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(157, 124, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 124, 47) }
```

Border

The CSS property to change the border of an element to Yxy 21.7886, 0.4398, 0.4431 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(157, 124, 47) }
```

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

```
.border{ border-color:rgb(157, 124, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 124, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 124, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 124, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 124,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7886, 0.4398, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 124, 47) }
```

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

```
.background{ background-color: rgb(157,  
124, 47) }
```

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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