

Converting Colors

$Y_{xy}(21.8281, 0.4229, 0.4153)$

Have a look what the booklet for
Yxy(21.8281, 0.4229, 0.4153)
contains.

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Color

Yxy(21.8524, 0.4226, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	9E7B44
RGB	158, 123, 68
RGB Percent	62%, 48%, 27%
CMY	0.3804, 0.5176, 0.7333
CMYK	0.00, 0.22, 0.57, 0.38
HSL	37°, 40%, 44%
HSV	37°, 57%, 62%
XYZ	22.2258, 21.8524, 8.5148
YIQ	127.1950, 38.5150, -9.6850

Conversions

Conversions Part 2

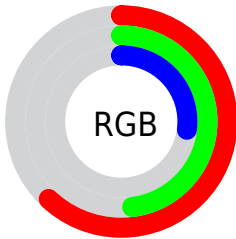
Format	Color
R_{YB}	125, 158, 68
Decimal	10386244
CIE _{Lab}	53.87, 6.88, 34.94
CIE _{LCh}	54, 35.609, 78.863
Yxy	21.8524, 0.4226, 0.4155
Android (android.graphics.Color)	4288576324 (0xFF9E7B44)
YUV	127.1950, -29.1831, 27.0160
Hunter-Lab	46.7466, 3.0620, 21.9230

Details

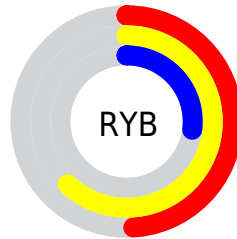
The Yxy color **21.8524, 0.4226, 0.4155** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.3945, 0.2197, 0.2195**, and the grayscale version is **21.3867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4150, 0.3996, 0.3978**, and **7.8948, 0.4611, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **20.2093, 0.4450, 0.4269**, and if you desaturate by 10%, it is **23.6452, 0.4002, 0.4016**.

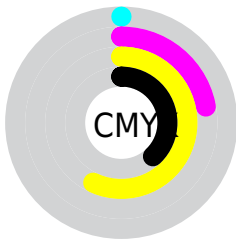
Distribution



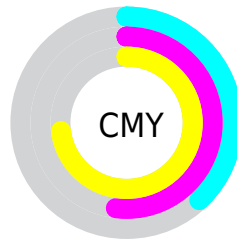
- Red (62%)
- Green (48%)
- Blue (27%)



- Red (49%)
- Yellow (62%)
- Blue (27%)



- Cyan (0%)
- Magenta (22%)
- Yellow (57%)
- Black (38%)





- Cyan (38%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8524, 0.4226, 0.4155 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 21.8524, 0.4226, 0.4155 by changing the saturation by 10% instead.


 21.8524, 0.4226,
0.4155


 21.8524, 0.4226,
0.4155


261.7745, 0.3621,
0.3698


 13.7485, 0.4388,
0.4267


 46.5019, 0.3995,
0.3987

 7.9459, 0.4597,
0.4401


 63.8163, 0.3912,
0.3924


 4.0604, 0.4913,
0.4595

 84.9697, 0.3842,
0.3871

 1.7074, 0.5263,
0.4737

 110.3464, 0.3784,
0.3826

 0.4284, 0.5731,
0.4269

 140.3308, 0.3734,
0.3787

 0.0000, 0.0000,
0.0000

175.3074, 0.3691,

0.3753

215.6605, 0.3654,
0.3724

■ 21.8524, 0.4226,
0.4155

■ 21.8524, 0.4226,
0.4155

■ 20.2093, 0.4450,
0.4269

■ 23.6452, 0.4002,
0.4016

■ 18.7068, 0.4665,
0.4347

■ 25.5900, 0.3787,
0.3863

■ 17.3392, 0.4858,
0.4378

■ 27.6931, 0.3585,
0.3704

■ 16.0967, 0.5023,
0.4362

■ 29.9592, 0.3400,
0.3545

■ 15.7391, 0.5072,
0.4354

■ 32.3927, 0.3233,
0.3392

■ 34.9981, 0.3083,
0.3247

■ 37.7794, 0.2950,
0.3111

■ 40.7406, 0.2832,
0.2985

■ 43.8854, 0.2728,
0.2869

Harmonies

Analogous

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



21.8524, 0.4405, 0.3702



21.8524, 0.4226, 0.4155



21.8524, 0.3754, 0.4440

Triad

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



21.8524, 0.4226, 0.4155



21.8524, 0.2149, 0.3228



21.8524, 0.3007, 0.2449

Complementary

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



21.8524, 0.4226, 0.4155



13.3945, 0.2197, 0.2195

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.



21.8524, 0.2448, 0.2301



21.8524, 0.4226, 0.4155



21.8524, 0.1996, 0.2677

Square

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



21.8524, 0.4226, 0.4155



21.8524, 0.2555, 0.3892



21.8524, 0.2099, 0.2367



21.8524, 0.3662, 0.2772

Rectangle

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



21.8524, 0.4226, 0.4155



21.8524, 0.3351, 0.4442



21.8524, 0.2099, 0.2367



21.8524, 0.2802, 0.2378

Sweetspot

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



21.8535, 0.4226, 0.4155



54.2532, 0.3407, 0.3551



12.4018, 0.4096, 0.2721



12.0534, 0.3440, 0.3581



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.



21.8535, 0.4226, 0.4155



36.0349, 0.4503, 0.4291



31.2575, 0.3826, 0.4661



7.2869, 0.3270, 0.3427



12.6847, 0.5063, 0.4362



0.3071, 0.4641, 0.4697

Inverse Universe

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



13.3945, 0.2197, 0.2195



19.2459, 0.2008, 0.1907



8.1801, 0.2140, 0.1549



6.8371, 0.2988, 0.3150



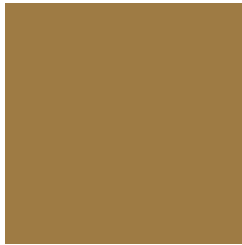
4.7585, 0.1685, 0.1266



0.1645, 0.1901, 0.2045

Previews

White Background



This preview shows how the Yxy color 21.8524, 0.4226, 0.4155 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 21.8524, 0.4226, 0.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

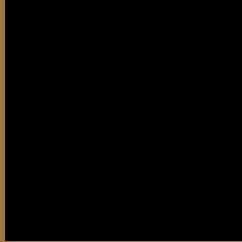
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8524, 0.4226, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 21.8524, 0.4226, 0.4155.



This preview shows how white text looks on a background with the Yxy color 21.8524, 0.4226, 0.4155.

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

21.8524, 0.4226, 0.4155

Protanopia

21.8935, 0.3946, 0.4296

Deuteranopia

21.8524, 0.4226, 0.4155



Tritanopia

21.7580, 0.3626, 0.3149

Trichromacy



Original Color

21.8524, 0.4226, 0.4155

Protanomaly

21.9043, 0.4051, 0.4250

Deuteranomaly

21.8524, 0.4226, 0.4155

Tritanomaly

21.7702, 0.3862, 0.3534

Monochromacy



Original Color

21.8524, 0.4226, 0.4155

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3656, 0.3507, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8524, 0.4226, 0.4155 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 $rgb(158, 123, 68)$ looks like.

```
.text, #text, p{  
    color:rgb(158, 123, 68)  
}
```

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(158, 123, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 123, 68) }
```

Border

The CSS property to change the border of an element to Yxy 21.8524, 0.4226, 0.4155 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(158, 123, 68) }
```

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

```
.border{ border-color:rgb(158, 123, 68) }
```

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

Here you see how a box with a 4 pixel rgb(158, 123, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 123, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 123, 68);  
box-shadow:4px 4px 4px 4px rgb(158, 123,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8524, 0.4226, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 123, 68) }
```

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

```
.background{ background-color: rgb(158,  
123, 68) }
```

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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