

Converting Colors

$Y_{xy}(21.1568, 0.4467, 0.4247)$

Have a look what the booklet for
Yxy(21.1568, 0.4467, 0.4247)
contains.

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Color

Yxy(21.2465, 0.4471, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	A37736
RGB	163, 119, 54
RGB Percent	64%, 47%, 21%
CMY	0.3608, 0.5333, 0.7882
CMYK	0.00, 0.27, 0.67, 0.36
HSL	36°, 50%, 43%
HSV	36°, 67%, 64%
XYZ	22.3671, 21.2465, 6.4135
YIQ	124.7460, 47.0890, -10.8870

Conversions

Conversions Part 2

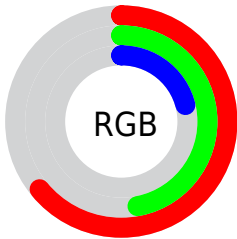
Format	Color
RYB	128, 163, 54
Decimal	10712886
CIELab	53.22, 10.34, 41.52
CIELCh	53, 42.793, 76.019
Yxy	21.2465, 0.4471, 0.4247
Android (android.graphics.Color)	4288902966 (0xFFA37736)
YUV	124.7460, -34.8778, 33.5488
Hunter-Lab	46.0939, 5.9529, 24.0162

Details

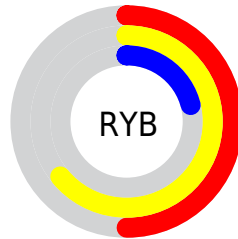
The Yxy color **21.2465, 0.4471, 0.4247** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.1658, 0.2049, 0.1994**, and the grayscale version is **20.5269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4772, 0.4202, 0.4081**, and **7.6389, 0.4875, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **19.6067, 0.4693, 0.4322**, and if you desaturate by 10%, it is **23.0482, 0.4240, 0.4136**.

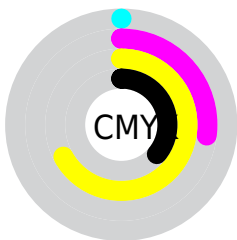
Distribution



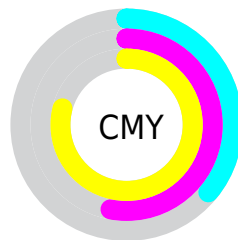
- Red (64%)
- Green (47%)
- Blue (21%)



- Red (50%)
- Yellow (64%)
- Blue (21%)



- Cyan (0%)
- Magenta (27%)
- Yellow (67%)
- Black (36%)





- Cyan (36%)
- Magenta (53%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2465, 0.4471, 0.4247 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 21.2465, 0.4471, 0.4247 by changing the saturation by 10% instead.


 21.2465, 0.4471,
0.4247


 21.2465, 0.4471,
0.4247


258.5856, 0.3737,
0.3760


 13.3043, 0.4659,
0.4351


 45.4974, 0.4196,
0.4077

 7.6384, 0.4891,
0.4462


 62.5749, 0.4094,
0.4010

 3.8645, 0.5318,
0.4682

 83.4663, 0.4010,
0.3952

 1.5980, 0.5463,
0.4537

 108.5560, 0.3938,
0.3903

 0.3563, 0.6239,
0.3761

 138.2284, 0.3877,
0.3860

 0.0000, 0.0000,
0.0000

 172.8679, 0.3824,

0.3822

212.8588, 0.3778,
0.3789

■ 21.2465, 0.4471,
0.4247

■ 21.2465, 0.4471,
0.4247

■ 19.6067, 0.4693,
0.4322

■ 23.0482, 0.4240,
0.4136

■ 18.1182, 0.4893,
0.4350

■ 25.0153, 0.4011,
0.4000

■ 16.7715, 0.5064,
0.4329

■ 27.1551, 0.3791,
0.3850

■ 16.3729, 0.5117,
0.4319

■ 29.4734, 0.3587,
0.3694

■ 31.9754, 0.3400,
0.3538

■ 34.6663, 0.3232,
0.3388

■ 37.5509, 0.3082,
0.3246

■ 40.6339, 0.2949,
0.3114

■ 43.9197, 0.2831,
0.2990

Harmonies

Analogous

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



21.2465, 0.4666, 0.3692



21.2465, 0.4471, 0.4247



21.2465, 0.3919, 0.4654

Triad

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



21.2465, 0.4471, 0.4247



21.2465, 0.1994, 0.3274



21.2465, 0.2902, 0.2274

Complementary

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



21.2465, 0.4471, 0.4247



12.1658, 0.2049, 0.1994

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.



21.2465, 0.2265, 0.2121



21.2465, 0.4471, 0.4247



21.2465, 0.1797, 0.2590

Square

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



21.2465, 0.4471, 0.4247



21.2465, 0.2489, 0.4105



21.2465, 0.1891, 0.2212



21.2465, 0.3696, 0.2630

Rectangle

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



21.2465, 0.4471, 0.4247



21.2465, 0.3443, 0.4718



21.2465, 0.1891, 0.2212



21.2465, 0.2664, 0.2198

Sweetspot

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



21.2476, 0.4471, 0.4247



55.6561, 0.3464, 0.3592



11.3350, 0.4333, 0.2627



12.2305, 0.3513, 0.3634



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.2476, 0.4471, 0.4247



33.8496, 0.4789, 0.4341



33.3225, 0.3930, 0.4837



7.7552, 0.3271, 0.3424



12.8156, 0.5106, 0.4328



0.3584, 0.4700, 0.4650

Inverse Universe

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



12.1658, 0.2049, 0.1994



16.5343, 0.1859, 0.1666



6.3437, 0.1932, 0.1228



7.3074, 0.2987, 0.3152



5.1497, 0.1696, 0.1307



0.1996, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 21.2465, 0.4471, 0.4247 looks on a white background.

Color Contrast Check

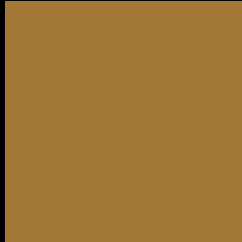
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2465, 0.4471, 0.4247 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 21.2465, 0.4471, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 21.2465, 0.4471, 0.4247.



This preview shows how white text looks on a background with the Yxy color 21.2465, 0.4471, 0.4247.

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

21.2465, 0.4471, 0.4247

Protanopia

21.4845, 0.4079, 0.4468

Deuteranopia

21.2009, 0.4395, 0.4318



Tritanopia

21.2692, 0.3773, 0.3168

Trichromacy



Original Color

21.2465, 0.4471, 0.4247

Protanomaly

21.4368, 0.4222, 0.4388

Deuteranomaly

21.1636, 0.4431, 0.4291

Tritanomaly

21.2130, 0.4057, 0.3591

Monochromacy



Original Color

21.2465, 0.4471, 0.4247

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5557, 0.3616, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2465, 0.4471, 0.4247 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(163, 119, 54)` looks like.

```
.text, #text, p{  
    color:rgb(163, 119, 54)  
}
```

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(163, 119, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 119, 54) }
```

Border

The CSS property to change the border of an element to Yxy 21.2465, 0.4471, 0.4247 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(163, 119, 54) }
```

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

```
.border{ border-color:rgb(163, 119, 54) }
```

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

Here you see how a box with a 4 pixel rgb(163, 119, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 119, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 119, 54);  
box-shadow:4px 4px 4px 4px rgb(163, 119,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2465, 0.4471, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 119, 54) }
```

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

```
.background{ background-color: rgb(163,  
119, 54) }
```

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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