

Converting Colors

Yxy(32.1247, 0.4717, 0.4005)

Have a look what the booklet for
Yxy(32.1247, 0.4717, 0.4005)
contains.

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Color

Yxy(31.9522, 0.4724, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	D78647
RGB	215, 134, 71
RGB Percent	84%, 53%, 28%
CMY	0.1568, 0.4745, 0.7216
CMYK	0.00, 0.38, 0.67, 0.16
HSL	26°, 64%, 56%
HSV	26°, 67%, 84%
XYZ	37.6884, 31.9522, 10.1401
YIQ	151.0370, 68.4990, -2.4210

Conversions

Conversions Part 2

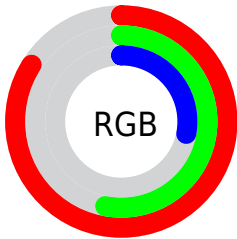
Format	Color
R _Y B	215, 183, 71
Decimal	14124615
CIE Lab	63.30, 25.51, 46.08
CIE LCh	63, 52.665, 61.030
Yxy	31.9522, 0.4724, 0.4005
Android (android.graphics.Color)	4292314695 (0xFFD78647)
YUV	151.0370, -39.4582, 56.0956
Hunter-Lab	56.5263, 20.0924, 28.9325

Details

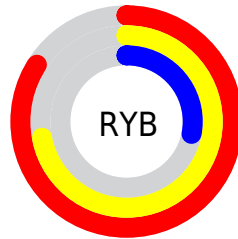
The Yxy color **31.9522, 0.4724, 0.4005** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **28.7012, 0.2117, 0.2329**, and the grayscale version is **31.1148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6316, 0.4245, 0.3967**, and **13.3634, 0.5162, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **28.5708, 0.5026, 0.4040**, and if you desaturate by 10%, it is **35.8169, 0.4420, 0.3931**.

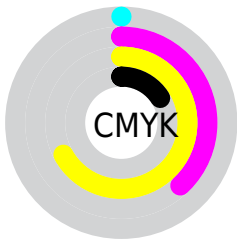
Distribution



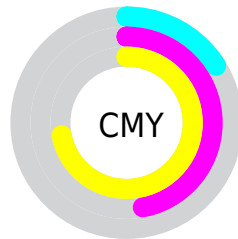
- Red (84%)
- Green (53%)
- Blue (28%)



- Red (84%)
- Yellow (72%)
- Blue (28%)



- Cyan (0%)
- Magenta (38%)
- Yellow (67%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9522, 0.4724, 0.4005 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 31.9522, 0.4724, 0.4005 by changing the saturation by 10% instead.


 31.9522, 0.4724,
0.4005


 31.9522, 0.4724,
0.4005


310.9015, 0.3897,
0.3698


 21.3250, 0.4925,
0.4052


 62.7361, 0.4424,
0.3913


 13.3618, 0.5171,
0.4090


 83.6617, 0.4310,
0.3872


 7.6781, 0.5476,
0.4100


 108.7888, 0.4214,
0.3835

 3.8897, 0.5915,
0.4085

 138.5018, 0.4132,
0.3801

 1.6120, 0.6227,
0.3773

 173.1852, 0.4061,
0.3771

 0.3657, 0.7276,
0.2724

213.2233, 0.3999,

 0.0000, 0.0000,

0.3744

0.0000

259.0006, 0.3945,
0.3720

■ 31.9522, 0.4724,
0.4005

■ 31.9522, 0.4724,
0.4005

■ 28.5708, 0.5026,
0.4040

■ 35.8169, 0.4420,
0.3931

■ 25.6440, 0.5305,
0.4026

■ 40.1813, 0.4130,
0.3831

■ 23.1458, 0.5540,
0.3957

■ 45.0671, 0.3865,
0.3716

■ 22.4666, 0.5606,
0.3931

■ 50.4927, 0.3627,
0.3597

■ 56.4757, 0.3419,
0.3479

■ 63.0327, 0.3239,
0.3365

■ 70.1797, 0.3082,
0.3259

■ 77.9317, 0.2948,
0.3160

■ 85.6766, 0.2883,
0.3164

Harmonies

Analogous

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



31.9522, 0.4691, 0.3402



31.9522, 0.4724, 0.4005



31.9522, 0.4293, 0.4554

Triad

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



31.9522, 0.4724, 0.4005



31.9522, 0.2141, 0.3722



31.9522, 0.2513, 0.2102

Complementary

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



31.9522, 0.4724, 0.4005



28.7012, 0.2117, 0.2329

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.



31.9522, 0.1975, 0.2061



31.9522, 0.4724, 0.4005



31.9522, 0.1778, 0.2860

Square

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



31.9522, 0.4724, 0.4005



31.9522, 0.2796, 0.4542



31.9522, 0.1729, 0.2296



31.9522, 0.3301, 0.2376

Rectangle

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



31.9522, 0.4724, 0.4005



31.9522, 0.3839, 0.4791



31.9522, 0.1729, 0.2296



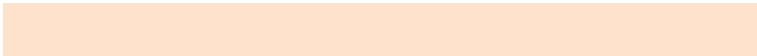
31.9522, 0.2302, 0.2061

Sweetspot

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



31.9538, 0.4724, 0.4005



80.1832, 0.3483, 0.3516



21.2402, 0.4026, 0.2376



16.6259, 0.3542, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.9538, 0.4724, 0.4005



40.3300, 0.5136, 0.4041



58.7609, 0.4105, 0.4721



13.3058, 0.3280, 0.3392



13.6396, 0.5580, 0.3951



0.9858, 0.5282, 0.4188

Inverse Universe

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



28.7012, 0.2117, 0.2329



35.1034, 0.1967, 0.2093



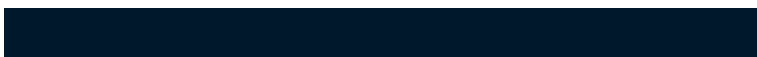
12.0701, 0.1861, 0.1263



13.1560, 0.2982, 0.3185



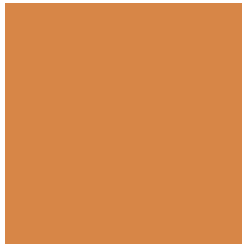
11.3183, 0.1833, 0.1800



0.8462, 0.1912, 0.2082

Previews

White Background



This preview shows how the Yxy color 31.9522, 0.4724, 0.4005 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.9522, 0.4724, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

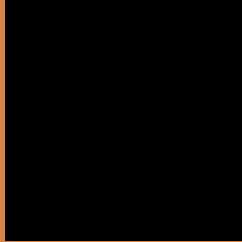
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9522, 0.4724, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 31.9522, 0.4724, 0.4005.



This preview shows how white text looks on a background with the Yxy color 31.9522, 0.4724, 0.4005.

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

31.9522, 0.4724, 0.4005

Protanopia

32.1931, 0.4018, 0.4389

Deuteranopia

31.9223, 0.4376, 0.4291



Tritanopia

32.0164, 0.4102, 0.3184

Trichromacy



Original Color

31.9522, 0.4724, 0.4005

Protanomaly

31.8145, 0.4267, 0.4249

Deuteranomaly

31.9178, 0.4501, 0.4189

Tritanomaly

32.0405, 0.4363, 0.3510

Monochromacy



Original Color

31.9522, 0.4724, 0.4005

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6546, 0.3682, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9522, 0.4724, 0.4005 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(215, 134, 71)` looks like.

```
.text, #text, p{  
    color:rgb(215, 134, 71)  
}
```

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(215, 134, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 134, 71) }
```

Border

The CSS property to change the border of an element to Yxy 31.9522, 0.4724, 0.4005 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(215, 134, 71) }
```

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

```
.border{ border-color:rgb(215, 134, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 134, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 134, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 134, 71);  
box-shadow:4px 4px 4px 4px rgb(215, 134,  
71) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.9522, 0.4724, 0.4005$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 134, 71) }
```

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

```
.background{ background-color: rgb(215,  
134, 71) }
```

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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