

Converting Colors

$Y_{xy}(34.7203, 0.4702, 0.4064)$

Have a look what the booklet for
Yxy(34.7203, 0.4702, 0.4064)
contains.

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Color

Yxy(34.7203, 0.4702, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	DC8D47
RGB	220, 141, 71
RGB Percent	86%, 55%, 28%
CMY	0.1374, 0.4470, 0.7216
CMYK	0.00, 0.36, 0.68, 0.14
HSL	28°, 68%, 57%
HSV	28°, 68%, 86%
XYZ	40.1710, 34.7203, 10.5425
YIQ	156.6410, 69.5540, -5.0220

Conversions

Conversions Part 2

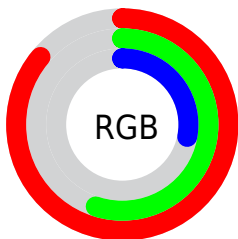
Format	Color
R_{YB}	220, 203, 71
Decimal	14454087
CIE Lab	65.53, 23.80, 48.73
CIE LCh	66, 54.234, 63.966
Yxy	34.7203, 0.4702, 0.4064
Android (android.graphics.Color)	4292644167 (0xFFDC8D47)
YUV	156.6410, -42.2210, 55.5658
Hunter-Lab	58.9239, 18.5742, 30.6387

Details

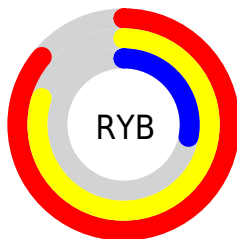
The Yxy color **34.7203, 0.4702, 0.4064** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **28.2969, 0.2088, 0.2238**, and the grayscale version is **33.7175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6954, 0.4203, 0.4035**, and **14.8364, 0.5123, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **31.2297, 0.4987, 0.4103**, and if you desaturate by 10%, it is **38.6785, 0.4412, 0.3985**.

Distribution



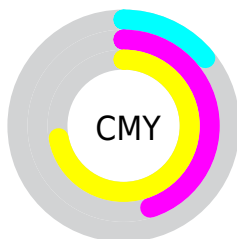
- Red (86%)
- Green (55%)
- Blue (28%)



- Red (86%)
- Yellow (80%)
- Blue (28%)



- Cyan (0%)
- Magenta (36%)
- Yellow (68%)
- Black (14%)



- Cyan (14%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7203, 0.4702, 0.4064 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 34.7203, 0.4702, 0.4064 by changing the saturation by 10% instead.


 34.7203, 0.4702,
0.4064


 34.7203, 0.4702,
0.4064


323.3320, 0.3901,
0.3732


 23.4475, 0.4891,
0.4117


 67.0522, 0.4415,
0.3963


 14.9243, 0.5121,
0.4163


 88.8802, 0.4306,
0.3919

 8.7663, 0.5398,
0.4184

 114.9953, 0.4212,
0.3879

 4.5890, 0.5802,
0.4198

 145.7819, 0.4132,
0.3843

 2.0082, 0.6067,
0.3933

 181.6245, 0.4063,
0.3811

 0.6122, 0.6632,
0.3368

222.9075, 0.4002,

 0.0000, 1.0000,

0.3782

0.0000

270.0152, 0.3948,
0.3755

■ 0.0000, 0.0000,
0.0000

■ 34.7203, 0.4702,
0.4064

■ 34.7203, 0.4702,
0.4064

■ 31.2297, 0.4987,
0.4103

■ 38.6785, 0.4412,
0.3985

■ 28.1786, 0.5247,
0.4090

■ 43.1195, 0.4132,
0.3879

■ 25.5409, 0.5465,
0.4024

■ 48.0640, 0.3873,
0.3757

■ 24.9928, 0.5512,
0.4005

■ 53.5298, 0.3639,
0.3629

■ 59.5335, 0.3432,
0.3502

■ 66.0910, 0.3251,
0.3380

■ 73.2172, 0.3093,
0.3265

■ 80.9267, 0.2957,
0.3157

■ 88.3013, 0.2914,
0.3197

Harmonies

Analogous

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



34.7203, 0.4721, 0.3461



34.7203, 0.4702, 0.4064



34.7203, 0.4234, 0.4600

Triad

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



34.7203, 0.4702, 0.4064



34.7203, 0.2090, 0.3631



34.7203, 0.2580, 0.2118

Complementary

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



34.7203, 0.4702, 0.4064



28.2969, 0.2088, 0.2238

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.



34.7203, 0.2013, 0.2052



34.7203, 0.4702, 0.4064



34.7203, 0.1758, 0.2789

Square

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



34.7203, 0.4702, 0.4064



34.7203, 0.2722, 0.4481



34.7203, 0.1739, 0.2258



34.7203, 0.3386, 0.2413

Rectangle

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



34.7203, 0.4702, 0.4064



34.7203, 0.3766, 0.4812



34.7203, 0.1739, 0.2258



34.7203, 0.2359, 0.2068

Sweetspot

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



34.7221, 0.4702, 0.4064



81.0923, 0.3480, 0.3533



21.9321, 0.4120, 0.2422



16.8428, 0.3538, 0.3569



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.



34.7221, 0.4702, 0.4064



41.8951, 0.5093, 0.4104



64.2704, 0.4080, 0.4772



14.0558, 0.3280, 0.3400



14.8912, 0.5488, 0.4025



1.1363, 0.5222, 0.4235

Inverse Universe

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



28.2969, 0.2088, 0.2238



32.2804, 0.1933, 0.1981



11.6668, 0.1832, 0.1181



13.7538, 0.2982, 0.3177



10.6675, 0.1802, 0.1686



0.8631, 0.1880, 0.1968

Previews

White Background



This preview shows how the Yxy color 34.7203, 0.4702, 0.4064 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 34.7203, 0.4702, 0.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

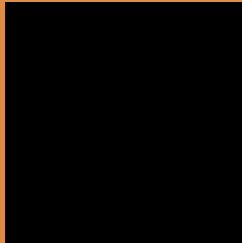
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7203, 0.4702, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 34.7203, 0.4702, 0.4064.



This preview shows how white text looks on a background with the Yxy color 34.7203, 0.4702, 0.4064.

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

34.7203, 0.4702, 0.4064

Protanopia

35.0245, 0.4048, 0.4425

Deuteranopia

34.8796, 0.4403, 0.4319



Tritanopia

34.7658, 0.4054, 0.3174

Trichromacy



Original Color

34.7203, 0.4702, 0.4064

Protanomaly

34.6279, 0.4289, 0.4286

Deuteranomaly

34.7313, 0.4514, 0.4224

Tritanomaly

34.5806, 0.4318, 0.3518

Monochromacy



Original Color

34.7203, 0.4702, 0.4064

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.3429, 0.3682, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7203, 0.4702, 0.4064 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(220, 141, 71)` looks like.

```
.text, #text, p{  
    color:rgb(220, 141, 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(220, 141, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 141, 71) }
```

Border

The CSS property to change the border of an element to Yxy 34.7203, 0.4702, 0.4064 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(220, 141, 71) }
```

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

```
.border{ border-color:rgb(220, 141, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 141, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 141, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 141, 71);  
box-shadow:4px 4px 4px 4px rgb(220, 141,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7203, 0.4702, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 141, 71) }
```

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

```
.background{ background-color: rgb(220,  
141, 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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