

Converting Colors

$Y_{xy}(31.6408, 0.4237, 0.4198)$

Have a look what the booklet for
Yxy(31.6408, 0.4237, 0.4198)
contains.

Yxy(31.5614, 0.4241, 0.4191)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5614, 0.4241, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	BA924F
RGB	186, 146, 79
RGB Percent	73%, 57%, 31%
CMY	0.2706, 0.4274, 0.6901
CMYK	0.00, 0.21, 0.58, 0.27
HSL	38°, 44%, 52%
HSV	38°, 58%, 73%
XYZ	31.9379, 31.5614, 11.8082
YIQ	150.3220, 45.3470, -12.3570

Conversions

Conversions Part 2

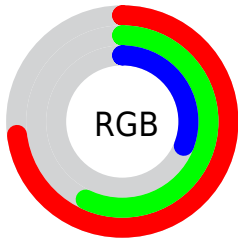
Format	Color
RYB	143, 186, 79
Decimal	12227151
CIELab	62.98, 7.18, 40.79
CIElCh	63, 41.422, 80.011
Yxy	31.5614, 0.4241, 0.4191
Android (android.graphics.Color)	4290417231 (0xFFBA924F)
YUV	150.3220, -35.1617, 31.2896
Hunter-Lab	56.1795, 3.1627, 26.8637

Details

The Yxy color **31.5614, 0.4241, 0.4191** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.3992, 0.2170, 0.2137**, and the grayscale version is **30.7821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1534, 0.4026, 0.4036**, and **13.2053, 0.4558, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **29.2505, 0.4462, 0.4305**, and if you desaturate by 10%, it is **34.0815, 0.4018, 0.4050**.

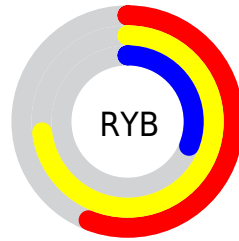
Distribution



Red (73%)

Green (57%)

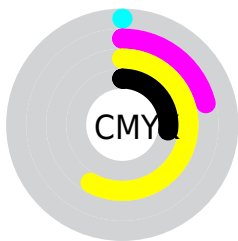
Blue (31%)



Red (56%)

Yellow (73%)

Blue (31%)

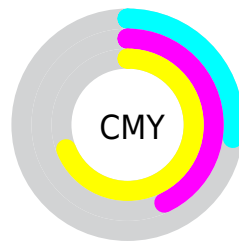


Cyan (0%)

Magenta (21%)

Yellow (58%)

Black (27%)



Cyan (27%)


Magenta (43%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5614, 0.4241, 0.4191 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 31.5614, 0.4241, 0.4191 by changing the saturation by 10% instead.


 31.5614, 0.4241,
0.4191


 31.5614, 0.4241,
0.4191


309.1164, 0.3664,
0.3743


 21.0267, 0.4383,
0.4292


 62.1229, 0.4031,
0.4034

 13.1435, 0.4558,
0.4411


 82.9184, 0.3952,
0.3973

 7.5275, 0.4774,
0.4543


 107.9031, 0.3885,
0.3920

 3.7941, 0.5187,
0.4813

 137.4612, 0.3828,
0.3875

 1.5591, 0.5292,
0.4708

 171.9772, 0.3778,
0.3836

 0.3298, 0.5972,
0.4028

211.8355, 0.3735,

 0.0000, 0.0000,

0.3801

0.0000

257.4204, 0.3698,
0.3771

■ 31.5614, 0.4241,
0.4191

■ 31.5614, 0.4241,
0.4191

■ 29.2505, 0.4462,
0.4305

■ 34.0815, 0.4018,
0.4050

■ 27.1353, 0.4670,
0.4380

■ 36.8141, 0.3803,
0.3892

■ 25.2074, 0.4854,
0.4408

■ 39.7681, 0.3600,
0.3728

■ 23.4533, 0.5007,
0.4386

■ 42.9505, 0.3413,
0.3564

■ 23.0393, 0.5044,
0.4377

■ 46.3677, 0.3243,
0.3405

■ 50.0258, 0.3091,
0.3253

■ 53.9309, 0.2955,
0.3112

■ 58.0884, 0.2835,
0.2980

■ 62.5039, 0.2728,
0.2860

Harmonies

Analogous

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



31.5614, 0.4441, 0.3728



31.5614, 0.4241, 0.4191



31.5614, 0.3746, 0.4478

Triad

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



31.5614, 0.4241, 0.4191



31.5614, 0.2112, 0.3199



31.5614, 0.3027, 0.2438

Complementary

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



31.5614, 0.4241, 0.4191



18.3992, 0.2170, 0.2137

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.



31.5614, 0.2448, 0.2278



31.5614, 0.4241, 0.4191



31.5614, 0.1966, 0.2641

Square

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



31.5614, 0.4241, 0.4191



31.5614, 0.2518, 0.3886



31.5614, 0.2082, 0.2336



31.5614, 0.3702, 0.2774

Rectangle

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



31.5614, 0.4241, 0.4191



31.5614, 0.3330, 0.4473



31.5614, 0.2082, 0.2336



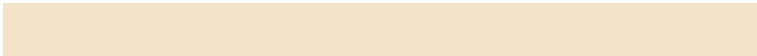
31.5614, 0.2815, 0.2363

Sweetspot

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



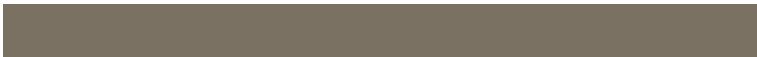
31.5629, 0.4241, 0.4191



78.0031, 0.3409, 0.3560



17.3881, 0.4159, 0.2736



16.9136, 0.3445, 0.3593



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.5629, 0.4241, 0.4191



51.9856, 0.4518, 0.4329



44.6191, 0.3821, 0.4695



9.9239, 0.3273, 0.3433



15.6500, 0.5030, 0.4388



0.6663, 0.4762, 0.4601

Inverse Universe

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



18.3992, 0.2170, 0.2137



25.9780, 0.1976, 0.1833



11.3881, 0.2130, 0.1514



9.2547, 0.2985, 0.3143



5.4245, 0.1670, 0.1210



0.3117, 0.1820, 0.1751

Previews

White Background



This preview shows how the Yxy color 31.5614, 0.4241, 0.4191 looks on a white background.

Color Contrast Check

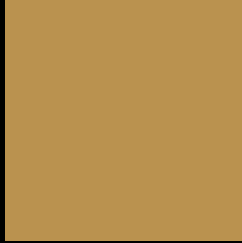
Large Text (above 18pt) WCAG AA × Fail

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 31.5614, 0.4241, 0.4191 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 31.5614, 0.4241, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 31.5614, 0.4241, 0.4191.



This preview shows how white text looks on a background with the Yxy color 31.5614, 0.4241, 0.4191.

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

31.5614, 0.4241, 0.4191

Protanopia

31.7014, 0.3971, 0.4337

Deuteranopia

31.3801, 0.4261, 0.4174



Tritanopia

31.5534, 0.3610, 0.3142

Trichromacy



Original Color

31.5614, 0.4241, 0.4191

Protanomaly

31.5058, 0.4079, 0.4279

Deuteranomaly

31.3801, 0.4261, 0.4174

Tritanomaly

31.4521, 0.3857, 0.3527

Monochromacy



Original Color

31.5614, 0.4241, 0.4191

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.7367, 0.3524, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5614, 0.4241, 0.4191 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(186, 146, 79)` looks like.

```
.text, #text, p{  
    color:rgb(186, 146, 79)  
}
```

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(186, 146, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 146, 79) }
```

Border

The CSS property to change the border of an element to Yxy 31.5614, 0.4241, 0.4191 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(186, 146, 79) }
```

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

```
.border{ border-color:rgb(186, 146, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 146, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 146, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 146, 79);  
box-shadow:4px 4px 4px 4px rgb(186, 146,  
79) }
```


Background

The CSS property to change the background color of an element to `rgb(31.5614, 0.4241, 0.4191)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 146, 79) }
```

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

```
.background{ background-color: rgb(186,  
146, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor