

Converting Colors

$Yxy(31.0625, 0.4143, 0.4190)$

Have a look what the booklet for
Yxy(31.0625, 0.4143, 0.4190)
contains.

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Color

Yxy(31.1799, 0.4140, 0.4194)

Conversions

Conversions Part 1

Format	Color
Hex	B49352
RGB	180, 147, 82
RGB Percent	71%, 58%, 32%
CMY	0.2942, 0.4235, 0.6783
CMYK	0.00, 0.18, 0.54, 0.29
HSL	40°, 40%, 51%
HSV	40°, 54%, 71%
XYZ	30.7784, 31.1799, 12.3857
YIQ	149.4570, 40.5330, -13.2190

Conversions

Conversions Part 2

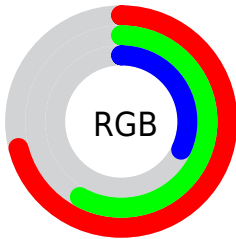
Format	Color
RYB	132, 180, 82
Decimal	11834194
CIELab	62.66, 4.30, 38.71
CIELCh	63, 38.952, 83.657
Yxy	31.1799, 0.4140, 0.4194
Android (android.graphics.Color)	4290024274 (0xFFB49352)
YUV	149.4570, -33.2563, 26.7862
Hunter-Lab	55.8390, 0.6710, 25.9361

Details

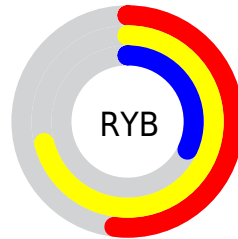
The Yxy color **31.1799, 0.4140, 0.4194** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.3563, 0.2210, 0.2148**, and the grayscale version is **30.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6439, 0.3948, 0.4031**, and **13.0249, 0.4431, 0.4432** is the 20% darker color. If you saturate the color by 10%, you get **29.1066, 0.4348, 0.4325**, and if you desaturate by 10%, it is **33.4274, 0.3930, 0.4039**.

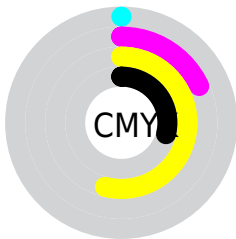
Distribution



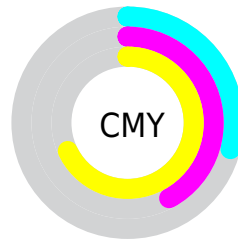
- Red (71%)
- Green (58%)
- Blue (32%)



- Red (52%)
- Yellow (71%)
- Blue (32%)



- Cyan (0%)
- Magenta (18%)
- Yellow (54%)
- Black (29%)





- Cyan (29%)
- Magenta (42%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1799, 0.4140, 0.4194 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 31.1799, 0.4140, 0.4194 by changing the saturation by 10% instead.


 31.1799, 0.4140,
0.4194


 31.1799, 0.4140,
0.4194


307.3663, 0.3614,
0.3736


 20.7359, 0.4270,
0.4302


 61.5232, 0.3948,
0.4030


 12.9311, 0.4432,
0.4433


 82.1913, 0.3876,
0.3967


 7.3811, 0.4633,
0.4587


 107.0361, 0.3815,
0.3914

 3.7016, 0.5048,
0.4920

 136.4422, 0.3763,
0.3868

 1.5081, 0.5130,
0.4870

 170.7938, 0.3718,
0.3828

 0.2944, 0.5666,
0.4334

210.4755, 0.3679,

 0.0000, 0.0000,

0.3794

0.0000

255.8715, 0.3645,
0.3763

■ 31.1799, 0.4140,
0.4194

■ 31.1799, 0.4140,
0.4194

■ 29.1066, 0.4348,
0.4325

■ 33.4274, 0.3930,
0.4039

■ 27.1957, 0.4545,
0.4420

■ 35.8513, 0.3726,
0.3871

■ 25.4405, 0.4721,
0.4472

■ 38.4590, 0.3534,
0.3698

■ 23.8316, 0.4866,
0.4473

■ 41.2564, 0.3356,
0.3526

■ 22.9871, 0.4940,
0.4460

■ 44.2488, 0.3194,
0.3361

■ 47.4413, 0.3048,
0.3204

■ 50.8387, 0.2917,
0.3057

■ 54.4457, 0.2800,
0.2922

■ 58.2669, 0.2696,
0.2797

Harmonies

Analogous

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



31.1799, 0.4366, 0.3770



31.1799, 0.4140, 0.4194



31.1799, 0.3649, 0.4423

Triad

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



31.1799, 0.4140, 0.4194



31.1799, 0.2134, 0.3134



31.1799, 0.3111, 0.2510

Complementary

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



31.1799, 0.4140, 0.4194



17.3563, 0.2210, 0.2148

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.



31.1799, 0.2541, 0.2335



31.1799, 0.4140, 0.4194



31.1799, 0.2023, 0.2630

Square

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



31.1799, 0.4140, 0.4194



31.1799, 0.2494, 0.3775



31.1799, 0.2164, 0.2365



31.1799, 0.3745, 0.2849

Rectangle

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



31.1799, 0.4140, 0.4194



31.1799, 0.3249, 0.4380



31.1799, 0.2164, 0.2365



31.1799, 0.2905, 0.2431

Sweetspot

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



31.1814, 0.4140, 0.4194



73.8500, 0.3388, 0.3558



17.0106, 0.4127, 0.2807



15.7370, 0.3423, 0.3592



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.1814, 0.4140, 0.4194



52.1766, 0.4382, 0.4344



41.2794, 0.3760, 0.4643



9.4150, 0.3271, 0.3441



16.1734, 0.4928, 0.4469



0.6113, 0.4677, 0.4668

Inverse Universe

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



17.3563, 0.2210, 0.2148



24.6742, 0.2018, 0.1853



11.8616, 0.2225, 0.1633



8.6823, 0.2985, 0.3135



4.7131, 0.1643, 0.1113



0.2588, 0.1807, 0.1706

Previews

White Background



This preview shows how the Yxy color 31.1799, 0.4140, 0.4194 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 31.1799, 0.4140, 0.4194 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 31.1799, 0.4140, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 31.1799, 0.4140, 0.4194.



This preview shows how white text looks on a background with the Yxy color 31.1799, 0.4140, 0.4194.

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

31.1799, 0.4140, 0.4194

Protanopia

31.3121, 0.3941, 0.4290

Deuteranopia

31.3144, 0.4213, 0.4131



Tritanopia

31.1063, 0.3530, 0.3139

Trichromacy



Original Color

31.1799, 0.4140, 0.4194

Protanomaly

31.2079, 0.4020, 0.4255

Deuteranomaly

31.3726, 0.4183, 0.4152

Tritanomaly

31.0170, 0.3775, 0.3533

Monochromacy



Original Color

31.1799, 0.4140, 0.4194

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.1341, 0.3484, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1799, 0.4140, 0.4194 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(180, 147, 82)` looks like.

```
.text, #text, p{  
    color:rgb(180, 147, 82)  
}
```

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(180, 147, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 147, 82) }
```

Border

The CSS property to change the border of an element to Yxy 31.1799, 0.4140, 0.4194 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(180, 147, 82) }
```

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

```
.border{ border-color:rgb(180, 147, 82) }
```

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

Here you see how a box with a 4 pixel rgb(180, 147, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 147, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 147, 82);  
box-shadow:4px 4px 4px 4px rgb(180, 147,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1799, 0.4140, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 147, 82) }
```

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

```
.background{ background-color: rgb(180,  
147, 82) }
```

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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