

Converting Colors

$Y_{xy}(31.8420, 0.4456, 0.3800)$

Have a look what the booklet for
Yxy(31.8420, 0.4456, 0.3800)
contains.

Yxy(31.8199, 0.4453, 0.3807)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.8199, 0.4453, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	D2875D
RGB	210, 135, 93
RGB Percent	82%, 53%, 36%
CMY	0.1765, 0.4706, 0.6352
CMYK	0.00, 0.36, 0.56, 0.18
HSL	22°, 57%, 59%
HSV	22°, 56%, 82%
XYZ	37.2193, 31.8199, 14.5434
YIQ	152.6370, 58.1820, 2.8380

Conversions

Conversions Part 2

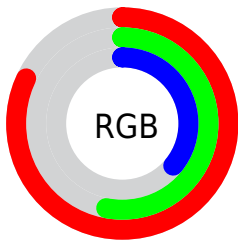
Format	Color
R_{YB}	210, 159, 93
Decimal	13797213
CIE _{Lab}	63.19, 24.45, 34.31
CIE _{LCh}	63, 42.128, 54.522
Yxy	31.8199, 0.4453, 0.3807
Android (android.graphics.Color)	4291987293 (0xFFD2875D)
YUV	152.6370, -29.4010, 50.3074
Hunter-Lab	56.4091, 19.0602, 24.2003

Details

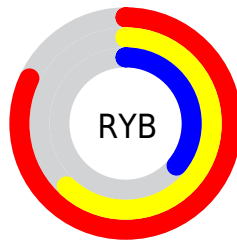
The Yxy color **31.8199, 0.4453, 0.3807** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **34.9981, 0.2297, 0.2666**, and the grayscale version is **31.8024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6688, 0.4064, 0.3761**, and **13.3697, 0.4860, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **27.9761, 0.4790, 0.3867**, and if you desaturate by 10%, it is **36.2443, 0.4139, 0.3724**.

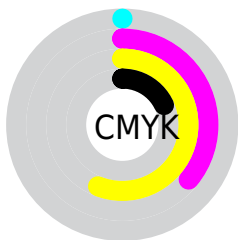
Distribution



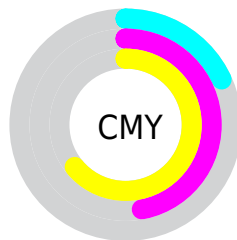
- Red (82%)
- Green (53%)
- Blue (36%)



- Red (82%)
- Yellow (62%)
- Blue (36%)



- Cyan (0%)
- Magenta (36%)
- Yellow (56%)
- Black (18%)





- Cyan (18%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8199, 0.4453, 0.3807 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 31.8199, 0.4453, 0.3807 by changing the saturation by 10% instead.


 31.8199, 0.4453,
0.3807


 31.8199, 0.4453,
0.3807


310.2980, 0.3751,
0.3575


 21.2240, 0.4635,
0.3850

 62.5286, 0.4192,
0.3732

 13.2878, 0.4868,
0.3892


 83.4102, 0.4095,
0.3701

 7.6270, 0.5174,
0.3924


 108.4892, 0.4014,
0.3673

 3.8572, 0.5638,
0.3955

 138.1499, 0.3945,
0.3649

 1.5940, 0.6182,
0.3818

172.7767, 0.3886,
0.3627

 0.3536, 0.7259,
0.2741

212.7541, 0.3835,

 0.0000, 0.0000,

0.3608

0.0000

258.4664, 0.3791,
0.3590

■ 31.8199, 0.4453,
0.3807

■ 31.8199, 0.4453,
0.3807

■ 27.9761, 0.4790,
0.3867

■ 36.2443, 0.4139,
0.3724

■ 24.6818, 0.5133,
0.3892

■ 41.2689, 0.3857,
0.3629

■ 21.9098, 0.5453,
0.3870

■ 46.9180, 0.3611,
0.3530

■ 19.6279, 0.5722,
0.3797

■ 53.2133, 0.3399,
0.3433

■ 18.7819, 0.5825,
0.3757

■ 60.1751, 0.3218,
0.3340

■ 67.8229, 0.3064,
0.3254

■ 76.1755, 0.2933,
0.3174

■ 84.8560, 0.2854,
0.3162

■ 92.4417, 0.2860,
0.3289

Harmonies

Analogous

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



31.8199, 0.4317, 0.3301



31.8199, 0.4453, 0.3807



31.8199, 0.4195, 0.4261

Triad

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



31.8199, 0.4453, 0.3807



31.8199, 0.2433, 0.3792



31.8199, 0.2514, 0.2277

Complementary

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



31.8199, 0.4453, 0.3807



34.9981, 0.2297, 0.2666

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.



31.8199, 0.2109, 0.2299



31.8199, 0.4453, 0.3807



31.8199, 0.2060, 0.3098

Square

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



31.8199, 0.4453, 0.3807



31.8199, 0.3015, 0.4359



31.8199, 0.1953, 0.2568



31.8199, 0.3127, 0.2468

Rectangle

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



31.8199, 0.4453, 0.3807



31.8199, 0.3860, 0.4463



31.8199, 0.1953, 0.2568



31.8199, 0.2353, 0.2259

Sweetspot

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



31.8215, 0.4453, 0.3807



81.0462, 0.3428, 0.3447



24.4030, 0.3680, 0.2384



16.9115, 0.3470, 0.3467



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.



31.8215, 0.4453, 0.3807



42.2927, 0.4861, 0.3876



52.3920, 0.4030, 0.4445



12.4926, 0.3282, 0.3374



11.6306, 0.5798, 0.3778



0.7989, 0.5446, 0.4058

Inverse Universe

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



34.9981, 0.2297, 0.2666



47.5596, 0.2153, 0.2501



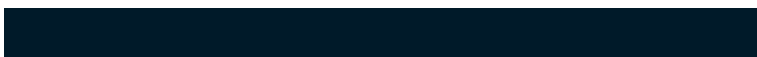
18.2590, 0.2107, 0.1766



12.6637, 0.2983, 0.3205



13.5444, 0.1911, 0.2079



0.9046, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 31.8199, 0.4453, 0.3807 looks on a white background.

Color Contrast Check

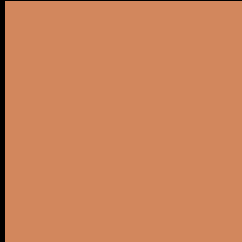
Large Text (above 18pt) WCAG AA × Fail

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 31.8199, 0.4453, 0.3807 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 31.8199, 0.4453, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 31.8199, 0.4453, 0.3807.



This preview shows how white text looks on a background with the Yxy color 31.8199, 0.4453, 0.3807.

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

31.8199, 0.4453, 0.3807

Protanopia

31.9181, 0.3789, 0.4082

Deuteranopia

31.7522, 0.4130, 0.4046



Tritanopia

31.7107, 0.3991, 0.3168

Trichromacy



Original Color

31.8199, 0.4453, 0.3807

Protanomaly

31.4881, 0.4038, 0.3978

Deuteranomaly

31.7208, 0.4249, 0.3951

Tritanomaly

31.6348, 0.4175, 0.3406

Monochromacy



Original Color

31.8199, 0.4453, 0.3807

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1951, 0.3583, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8199, 0.4453, 0.3807 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(210, 135, 93)` looks like.

```
.text, #text, p{  
    color:rgb(210, 135, 93)  
}
```

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(210, 135, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 135, 93) }
```

Border

The CSS property to change the border of an element to Yxy 31.8199, 0.4453, 0.3807 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(210, 135, 93) }
```

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

```
.border{ border-color:rgb(210, 135, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 135, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 135, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 135, 93);  
box-shadow:4px 4px 4px 4px rgb(210, 135,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8199, 0.4453, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 135, 93) }
```

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

```
.background{ background-color: rgb(210,  
135, 93) }
```

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