

Converting Colors

$Yxy(31.6691, 0.4460, 0.4311)$

Have a look what the booklet for
Yxy(31.6691, 0.4460, 0.4311)
contains.

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Color

Yxy(31.5119, 0.4456, 0.4306)

Conversions

Conversions Part 1

Format	Color
Hex	C0903F
RGB	192, 144, 63
RGB Percent	75%, 56%, 25%
CMY	0.2470, 0.4353, 0.7531
CMYK	0.00, 0.25, 0.67, 0.25
HSL	38°, 51%, 50%
HSV	38°, 67%, 75%
XYZ	32.6096, 31.5119, 9.0599
YIQ	149.1180, 54.6090, -15.0150

Conversions

Conversions Part 2

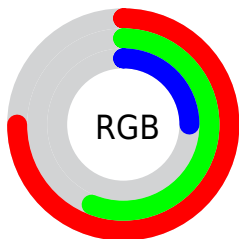
Format	Color
RYB	139, 192, 63
Decimal	12619839
CIELab	62.94, 9.78, 48.79
CIElCh	63, 49.756, 78.661
Yxy	31.5119, 0.4456, 0.4306
Android (android.graphics.Color)	4290809919 (0xFFC0903F)
YUV	149.1180, -42.4562, 37.6075
Hunter-Lab	56.1355, 5.4553, 29.7258

Details

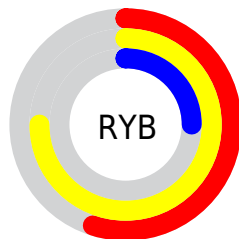
The Yxy color **31.5119, 0.4456, 0.4306** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.2229, 0.2015, 0.1896**, and the grayscale version is **30.2716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2985, 0.4217, 0.4146**, and **13.1716, 0.4804, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **29.2393, 0.4664, 0.4382**, and if you desaturate by 10%, it is **33.9994, 0.4235, 0.4191**.

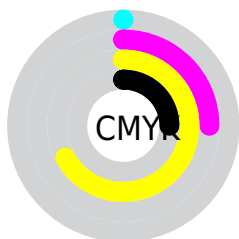
Distribution



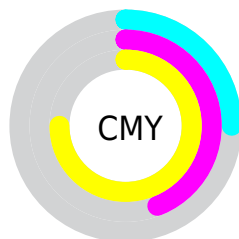
- Red (75%)
- Green (56%)
- Blue (25%)



- Red (55%)
- Yellow (75%)
- Blue (25%)



- Cyan (0%)
- Magenta (25%)
- Yellow (67%)
- Black (25%)





- Cyan (25%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5119, 0.4456, 0.4306 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 31.5119, 0.4456, 0.4306 by changing the saturation by 10% instead.


 31.5119, 0.4456,
0.4306


 31.5119, 0.4456,
0.4306


308.8898, 0.3779,
0.3820


 20.9890, 0.4613,
0.4404


 62.0451, 0.4215,
0.4143

 13.1159, 0.4801,
0.4509


 82.8242, 0.4122,
0.4077

 7.5084, 0.5033,
0.4622


 107.7907, 0.4043,
0.4020

 3.7820, 0.5298,
0.4702

 137.3292, 0.3975,
0.3969

 1.5524, 0.5438,
0.4562

 171.8239, 0.3917,
0.3925

 0.3252, 0.6275,
0.3725

211.6593, 0.3865,

 0.0000, 0.0000,

0.3886

0.0000

257.2198, 0.3820,
0.3851

■ 31.5119, 0.4456,
0.4306

■ 31.5119, 0.4456,
0.4306

■ 29.2393, 0.4664,
0.4382

■ 33.9994, 0.4235,
0.4191

■ 27.1661, 0.4848,
0.4411

■ 36.7065, 0.4013,
0.4049

■ 25.2800, 0.5000,
0.4389

■ 39.6434, 0.3798,
0.3890

■ 24.7811, 0.5041,
0.4379

■ 42.8180, 0.3595,
0.3725

■ 46.2377, 0.3408,
0.3560

■ 49.9095, 0.3238,
0.3400

■ 53.8401, 0.3086,
0.3249

■ 58.0356, 0.2951,
0.3107

■ 62.5023, 0.2831,
0.2975

Harmonies

Analogous

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



31.5119, 0.4696, 0.3746



31.5119, 0.4456, 0.4306



31.5119, 0.3870, 0.4701

Triad

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



31.5119, 0.4456, 0.4306



31.5119, 0.1944, 0.3200



31.5119, 0.2964, 0.2282

Complementary

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



31.5119, 0.4456, 0.4306



16.2229, 0.2015, 0.1896

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.



31.5119, 0.2296, 0.2106



31.5119, 0.4456, 0.4306



31.5119, 0.1772, 0.2529

Square

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



31.5119, 0.4456, 0.4306



31.5119, 0.2421, 0.4052



31.5119, 0.1893, 0.2174



31.5119, 0.3777, 0.2658

Rectangle

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



31.5119, 0.4456, 0.4306



31.5119, 0.3379, 0.4739



31.5119, 0.1893, 0.2174



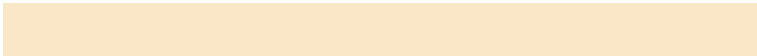
31.5119, 0.2716, 0.2199

Sweetspot

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



31.5135, 0.4456, 0.4306



81.7960, 0.3464, 0.3611



15.9375, 0.4445, 0.2677



17.1701, 0.3517, 0.3658



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.5135, 0.4456, 0.4306



51.0193, 0.4761, 0.4403



47.4036, 0.3899, 0.4881



11.1081, 0.3274, 0.3434



16.8265, 0.5028, 0.4390



0.8555, 0.4795, 0.4574

Inverse Universe

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



16.2229, 0.2015, 0.1896



21.6232, 0.1817, 0.1541



8.9769, 0.1944, 0.1209



10.3481, 0.2984, 0.3141



5.7677, 0.1667, 0.1201



0.3817, 0.1795, 0.1663

Previews

White Background



This preview shows how the Yxy color 31.5119, 0.4456, 0.4306 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 31.5119, 0.4456, 0.4306 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 31.5119, 0.4456, 0.4306

Background



This preview shows how black text looks on a background with the Yxy color 31.5119, 0.4456, 0.4306.



This preview shows how white text looks on a background with the Yxy color 31.5119, 0.4456, 0.4306.

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

31.5119, 0.4456, 0.4306

Protanopia

31.7219, 0.4111, 0.4504

Deuteranopia

31.5568, 0.4424, 0.4328



Tritanopia

31.4090, 0.3720, 0.3146

Trichromacy



Original Color

31.5119, 0.4456, 0.4306

Protanomaly

31.6593, 0.4233, 0.4434

Deuteranomaly

31.6860, 0.4435, 0.4323

Tritanomaly

31.1737, 0.4029, 0.3588

Monochromacy



Original Color

31.5119, 0.4456, 0.4306

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.1748, 0.3616, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5119, 0.4456, 0.4306 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(192, 144, 63)` looks like.

```
.text, #text, p{  
    color:rgb(192, 144, 63)  
}
```

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(192, 144, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 144, 63) }
```

Border

The CSS property to change the border of an element to Yxy 31.5119, 0.4456, 0.4306 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(192, 144, 63) }
```

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

```
.border{ border-color:rgb(192, 144, 63) }
```

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

Here you see how a box with a 4 pixel rgb(192, 144, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 144, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 144, 63);  
box-shadow:4px 4px 4px 4px rgb(192, 144,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5119, 0.4456, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 144, 63) }
```

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

```
.background{ background-color: rgb(192,  
144, 63) }
```

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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