

Converting Colors

$Y_{xy}(31.7919, 0.4820, 0.4433)$

Have a look what the booklet for
Yxy(31.7919, 0.4820, 0.4433)
contains.

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Color

Yxy(31.6727, 0.4823, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	CC8C1B
RGB	204, 140, 27
RGB Percent	80%, 55%, 11%
CMY	0.2001, 0.4509, 0.8942
CMYK	0.00, 0.31, 0.87, 0.20
HSL	38°, 77%, 45%
HSV	38°, 87%, 80%
XYZ	34.4747, 31.6727, 5.3324
YIQ	146.2540, 74.4170, -21.5750

Conversions

Conversions Part 2

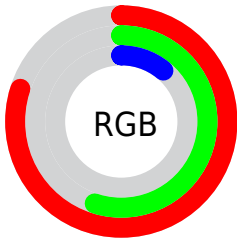
Format	Color
R _Y B	127, 204, 27
Decimal	13405211
CIE Lab	63.07, 15.76, 63.16
CIE LCh	63, 65.093, 75.993
Yxy	31.6727, 0.4823, 0.4431
Android (android.graphics.Color)	4291595291 (0xFFCC8C1B)
YUV	146.2540, -58.7922, 50.6432
Hunter-Lab	56.2785, 10.8570, 33.7772

Details

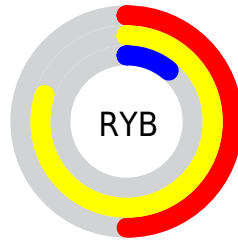
The Yxy color **31.6727, 0.4823, 0.4431** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **12.0674, 0.1758, 0.1406**, and the grayscale version is **29.0780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0400, 0.4465, 0.4330**, and **13.2416, 0.5026, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **29.5264, 0.4971, 0.4411**, and if you desaturate by 10%, it is **34.0312, 0.4643, 0.4400**.

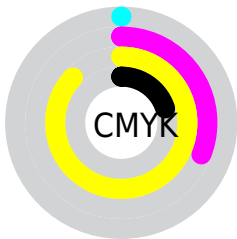
Distribution



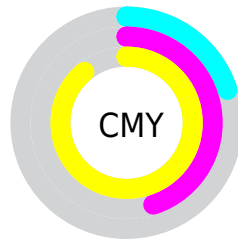
- Red (80%)
- Green (55%)
- Blue (11%)



- Red (50%)
- Yellow (80%)
- Blue (11%)



- Cyan (0%)
- Magenta (31%)
- Yellow (87%)
- Black (20%)



- Cyan (20%)
- Magenta (45%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6727, 0.4823, 0.4431 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 31.6727, 0.4823, 0.4431 by changing the saturation by 10% instead.


 31.6727, 0.4823,
0.4431


 31.6727, 0.4823,
0.4431


309.6256, 0.3995,
0.3942


 21.1116, 0.4993,
0.4500


 62.2976, 0.4543,
0.4288

 13.2056, 0.5180,
0.4552

 83.1303, 0.4431,
0.4223


 7.5703, 0.5411,
0.4589


 108.1556, 0.4333,
0.4163


 3.8212, 0.5542,
0.4458

 137.7579, 0.4247,
0.4109

 1.5741, 0.5755,
0.4245

 172.3217, 0.4172,
0.4061

 0.3400, 0.6755,
0.3245

 212.2313, 0.4106,

 0.0000, 0.0000,

0.4017

0.0000

257.8711, 0.4047,
0.3978

■ 31.6727, 0.4823,
0.4431

■ 31.6727, 0.4823,
0.4431

■ 29.5264, 0.4971,
0.4411

■ 34.0312, 0.4643,
0.4400

■ 28.8693, 0.5016,
0.4399

■ 36.6124, 0.4439,
0.4320

■ 39.4298, 0.4221,
0.4202

■ 42.4942, 0.4001,
0.4057

■ 45.8153, 0.3788,
0.3895

■ 49.4019, 0.3586,
0.3726

■ 53.2626, 0.3401,
0.3558

■ 57.4051, 0.3232,
0.3396

■ 61.8368, 0.3080,
0.3241

Harmonies

Analogous

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



31.6727, 0.5136, 0.3718



31.6727, 0.4823, 0.4431



31.6727, 0.4080, 0.5049

Triad

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



31.6727, 0.4823, 0.4431



31.6727, 0.1671, 0.3231



31.6727, 0.2814, 0.2012

Complementary

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



31.6727, 0.4823, 0.4431



12.0674, 0.1758, 0.1406

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.



31.6727, 0.2019, 0.1821



31.6727, 0.4823, 0.4431



31.6727, 0.1456, 0.2347

Square

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



31.6727, 0.4823, 0.4431



31.6727, 0.2267, 0.4411



31.6727, 0.1575, 0.1910



31.6727, 0.3866, 0.2442

Rectangle

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



31.6727, 0.4823, 0.4431



31.6727, 0.3470, 0.5217



31.6727, 0.1575, 0.1910



31.6727, 0.2511, 0.1920

Sweetspot

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



31.6743, 0.4823, 0.4431



82.0936, 0.3578, 0.3719



14.3894, 0.5130, 0.2713



17.1128, 0.3647, 0.3779



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.



31.6743, 0.4823, 0.4431



47.3957, 0.5029, 0.4389



53.0073, 0.3958, 0.5155



12.3881, 0.3274, 0.3438



18.3556, 0.5001, 0.4411



1.0878, 0.4804, 0.4568

Inverse Universe

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



12.0674, 0.1758, 0.1406



14.9030, 0.1644, 0.1119



5.8355, 0.1661, 0.0767



11.4967, 0.2983, 0.3138



5.9660, 0.1658, 0.1168



0.4509, 0.1769, 0.1569

Previews

White Background



This preview shows how the Yxy color 31.6727, 0.4823, 0.4431 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 31.6727, 0.4823, 0.4431 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 31.6727, 0.4823, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 31.6727, 0.4823, 0.4431.



This preview shows how white text looks on a background with the Yxy color 31.6727, 0.4823, 0.4431.

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

31.6727, 0.4823, 0.4431

Protanopia

31.6521, 0.4328, 0.4781

Deuteranopia

31.6501, 0.4668, 0.4578



Tritanopia

31.5604, 0.3942, 0.3166

Trichromacy



Original Color

31.6727, 0.4823, 0.4431

Protanomaly

31.4639, 0.4516, 0.4645

Deuteranomaly

31.5812, 0.4729, 0.4524

Tritanomaly

31.3609, 0.4376, 0.3730

Monochromacy



Original Color

31.6727, 0.4823, 0.4431

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.1413, 0.3808, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6727, 0.4823, 0.4431 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(204, 140, 27)` looks like.

```
.text, #text, p{  
    color:rgb(204, 140, 27)  
}
```

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(204, 140, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 140, 27) }
```

Border

The CSS property to change the border of an element to Yxy 31.6727, 0.4823, 0.4431 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(204, 140, 27) }
```

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

```
.border{ border-color:rgb(204, 140, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 140, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 140, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 140, 27);  
box-shadow:4px 4px 4px 4px rgb(204, 140,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6727, 0.4823, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 140, 27) }
```

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

```
.background{ background-color: rgb(204,  
140, 27) }
```

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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