

Converting Colors

$Y_{xy}(31.5323, 0.4791, 0.4279)$

Have a look what the booklet for
Yxy(31.5323, 0.4791, 0.4279)
contains.

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Color

Yxy(31.6396, 0.4786, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	CF8A2E
RGB	207, 138, 46
RGB Percent	81%, 54%, 18%
CMY	0.1882, 0.4588, 0.8195
CMYK	0.00, 0.33, 0.78, 0.19
HSL	34°, 64%, 50%
HSV	34°, 78%, 81%
XYZ	35.3142, 31.6396, 6.8326
YIQ	148.1430, 70.6560, -13.9840

Conversions

Conversions Part 2

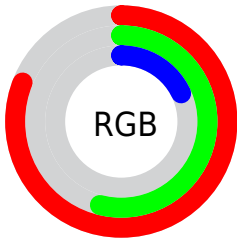
Format	Color
RYB	167, 207, 46
Decimal	13601326
CIELab	63.04, 18.74, 56.81
CIELCh	63, 59.819, 71.738
Yxy	31.6396, 0.4786, 0.4288
Android (android.graphics.Color)	4291791406 (0xFFCF8A2E)
YUV	148.1430, -50.3565, 51.6176
Hunter-Lab	56.2491, 13.6295, 32.1724

Details

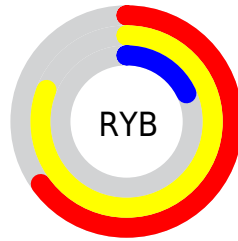
The Yxy color **31.6396, 0.4786, 0.4288** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.3519, 0.1904, 0.1784**, and the grayscale version is **29.8713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4034, 0.4395, 0.4206**, and **13.1825, 0.5101, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **29.0725, 0.4995, 0.4299**, and if you desaturate by 10%, it is **34.4965, 0.4552, 0.4227**.

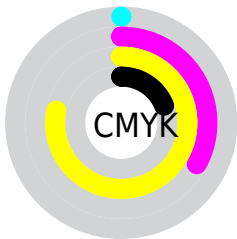
Distribution



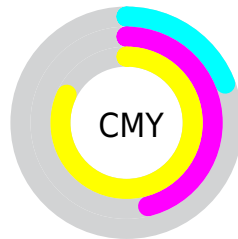
- Red (81%)
- Green (54%)
- Blue (18%)



- Red (65%)
- Yellow (81%)
- Blue (18%)



- Cyan (0%)
- Magenta (33%)
- Yellow (78%)
- Black (19%)




- Cyan (19%)
- Magenta (46%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6396, 0.4786, 0.4288 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 31.6396, 0.4786, 0.4288 by changing the saturation by 10% instead.


 31.6396, 0.4786,
0.4288


 31.6396, 0.4786,
0.4288

309.4742, 0.3954,
0.3855

 21.0864, 0.4970,
0.4353


 62.2457, 0.4496,
0.4158

 13.1872, 0.5181,
0.4405


 83.0673, 0.4382,
0.4100

 7.5575, 0.5505,
0.4488


 108.0805, 0.4285,
0.4048

 3.8132, 0.5661,
0.4339

 137.6697, 0.4200,
0.4001

 1.5696, 0.5909,
0.4091

 172.2193, 0.4127,
0.3959

 0.3370, 0.6977,
0.3023

 212.1136, 0.4062,

 0.0000, 0.0000,

0.3920

0.0000

257.7371, 0.4005,
0.3886

■ 31.6396, 0.4786,
0.4288

■ 31.6396, 0.4786,
0.4288

■ 29.0725, 0.4995,
0.4299

■ 34.4965, 0.4552,
0.4227

■ 26.7713, 0.5171,
0.4259

■ 37.6532, 0.4308,
0.4125

■ 26.2882, 0.5208,
0.4246

■ 41.1245, 0.4065,
0.3996

■ 44.9223, 0.3833,
0.3851

■ 49.0577, 0.3619,
0.3698

■ 53.5413, 0.3424,
0.3546

■ 58.3827, 0.3249,
0.3399

■ 63.5916, 0.3094,
0.3260

■ 69.1767, 0.2958,
0.3130

Harmonies

Analogous

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



31.6396, 0.4980, 0.3622



31.6396, 0.4786, 0.4288



31.6396, 0.4149, 0.4868

Triad

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



31.6396, 0.4786, 0.4288



31.6396, 0.1831, 0.3393



31.6396, 0.2718, 0.2053

Complementary

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



31.6396, 0.4786, 0.4288



17.3519, 0.1904, 0.1784

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.



31.6396, 0.2016, 0.1909



31.6396, 0.4786, 0.4288



31.6396, 0.1570, 0.2517

Square

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



31.6396, 0.4786, 0.4288



31.6396, 0.2446, 0.4448



31.6396, 0.1637, 0.2041



31.6396, 0.3671, 0.2432

Rectangle

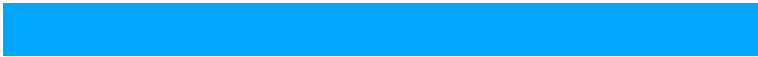
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.6396, 0.4786, 0.4288



31.6396, 0.3592, 0.5054



31.6396, 0.1637, 0.2041



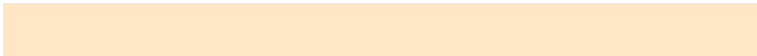
31.6396, 0.2449, 0.1977

Sweetspot

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



31.6412, 0.4786, 0.4288



81.7786, 0.3529, 0.3630



16.4770, 0.4636, 0.2559



16.9520, 0.3602, 0.3685



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.



31.6412, 0.4786, 0.4288



44.2028, 0.5110, 0.4278



56.5948, 0.4027, 0.4993



12.9135, 0.3276, 0.3423



16.7540, 0.5191, 0.4261



1.0926, 0.4959, 0.4444

Inverse Universe

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



17.3519, 0.1904, 0.1784



20.6584, 0.1746, 0.1446



7.3234, 0.1719, 0.0905



12.2390, 0.2982, 0.3154



7.4904, 0.1711, 0.1361



0.5749, 0.1812, 0.1722

Previews

White Background



This preview shows how the Yxy color 31.6396, 0.4786, 0.4288 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 31.6396, 0.4786, 0.4288 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 31.6396, 0.4786, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 31.6396, 0.4786, 0.4288.



This preview shows how white text looks on a background with the Yxy color 31.6396, 0.4786, 0.4288.

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

31.6396, 0.4786, 0.4288

Protanopia

31.6707, 0.4227, 0.4654

Deuteranopia

31.6317, 0.4574, 0.4479



Tritanopia

31.5616, 0.3980, 0.3167

Trichromacy



Original Color

31.6396, 0.4786, 0.4288

Protanomaly

31.5919, 0.4424, 0.4521

Deuteranomaly

31.3982, 0.4653, 0.4407

Tritanomaly

31.2241, 0.4345, 0.3630

Monochromacy



Original Color

31.6396, 0.4786, 0.4288

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5292, 0.3747, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6396, 0.4786, 0.4288 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(207, 138, 46)` looks like.

```
.text, #text, p{  
    color:rgb(207, 138, 46)  
}
```

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(207, 138, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 138, 46) }
```

Border

The CSS property to change the border of an element to Yxy 31.6396, 0.4786, 0.4288 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(207, 138, 46) }
```

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

```
.border{ border-color:rgb(207, 138, 46) }
```

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

Here you see how a box with a 4 pixel rgb(207, 138, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 138, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 138, 46);  
box-shadow:4px 4px 4px 4px rgb(207, 138,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6396, 0.4786, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 138, 46) }
```

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

```
.background{ background-color: rgb(207,  
138, 46) }
```

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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