

Converting Colors

$Y_{xy}(31.1226, 0.4725, 0.4288)$

Have a look what the booklet for
Yxy(31.1226, 0.4725, 0.4288)
contains.

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Color

Yxy(31.1038, 0.4723, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	CB8A32
RGB	203, 138, 50
RGB Percent	80%, 54%, 20%
CMY	0.2039, 0.4588, 0.8041
CMYK	0.00, 0.32, 0.75, 0.20
HSL	35°, 60%, 50%
HSV	35°, 75%, 80%
XYZ	34.2911, 31.1038, 7.2096
YIQ	147.4030, 66.9880, -13.5880

Conversions

Conversions Part 2

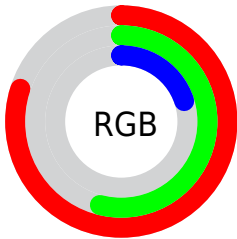
Format	Color
R _Y B	163, 203, 50
Decimal	13339186
CIE Lab	62.60, 17.17, 54.60
CIE LCh	63, 57.234, 72.538
Yxy	31.1038, 0.4723, 0.4284
Android (android.graphics.Color)	4291529266 (0xFFCB8A32)
YUV	147.4030, -48.0197, 48.7586
Hunter-Lab	55.7708, 12.1534, 31.3750

Details

The Yxy color **31.1038, 0.4723, 0.4284** 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 **17.2388, 0.1931, 0.1828**, and the grayscale version is **29.5349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4809, 0.4369, 0.4174**, and **12.9087, 0.5064, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **28.5910, 0.4937, 0.4309**, and if you desaturate by 10%, it is **33.8937, 0.4487, 0.4211**.

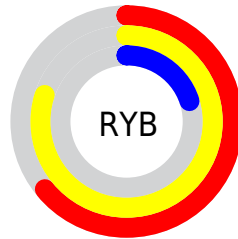
Distribution



Red (80%)

Green (54%)

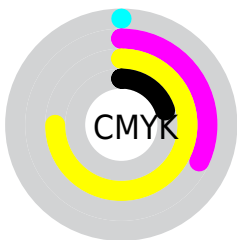
Blue (20%)



Red (64%)

Yellow (80%)

Blue (20%)

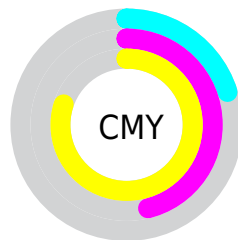


Cyan (0%)

Magenta (32%)

Yellow (75%)

Black (20%)



Cyan (20%)


Magenta (46%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1038, 0.4723, 0.4284 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 31.1038, 0.4723, 0.4284 by changing the saturation by 10% instead.


 31.1038, 0.4723,
0.4284


 31.1038, 0.4723,
0.4284


307.0162, 0.3917,
0.3842


 20.6779, 0.4904,
0.4356


 61.4035, 0.4440,
0.4148

 12.8888, 0.5115,
0.4418


 82.0460, 0.4329,
0.4088

 7.3520, 0.5425,
0.4506


 106.8629, 0.4235,
0.4035

 3.6832, 0.5607,
0.4393

 136.2385, 0.4153,
0.3987

 1.4980, 0.5843,
0.4157

 170.5573, 0.4082,
0.3945

 0.2873, 0.7067,
0.2933

 210.2035, 0.4020,

 0.0000, 0.0000,

0.3907

0.0000

255.5617, 0.3965,
0.3873

■ 31.1038, 0.4723,
0.4284

■ 31.1038, 0.4723,
0.4284

■ 28.5910, 0.4937,
0.4309

■ 33.8937, 0.4487,
0.4211

■ 26.3349, 0.5119,
0.4281

■ 36.9695, 0.4244,
0.4101

■ 25.3698, 0.5195,
0.4257

■ 40.3449, 0.4005,
0.3966

■ 44.0310, 0.3778,
0.3817

■ 48.0380, 0.3569,
0.3664

■ 52.3756, 0.3380,
0.3512

■ 57.0532, 0.3210,
0.3365

■ 62.0793, 0.3060,
0.3227

■ 67.4624, 0.2928,
0.3099

Harmonies

Analogous

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



31.1038, 0.4917, 0.3638



31.1038, 0.4723, 0.4284



31.1038, 0.4103, 0.4829

Triad

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



31.1038, 0.4723, 0.4284



31.1038, 0.1864, 0.3367



31.1038, 0.2757, 0.2097

Complementary

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



31.1038, 0.4723, 0.4284



17.2388, 0.1931, 0.1828

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.



31.1038, 0.2066, 0.1951



31.1038, 0.4723, 0.4284



31.1038, 0.1614, 0.2531

Square

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



31.1038, 0.4723, 0.4284



31.1038, 0.2454, 0.4374



31.1038, 0.1687, 0.2075



31.1038, 0.3678, 0.2472

Rectangle

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



31.1038, 0.4723, 0.4284



31.1038, 0.3562, 0.4988



31.1038, 0.1687, 0.2075



31.1038, 0.2493, 0.2021

Sweetspot

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



31.1054, 0.4723, 0.4284



81.9074, 0.3528, 0.3632



16.2413, 0.4564, 0.2562



16.9832, 0.3601, 0.3688



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.



31.1054, 0.4723, 0.4284



45.6299, 0.5047, 0.4299



54.2493, 0.4014, 0.4964



12.2675, 0.3276, 0.3423



16.3300, 0.5178, 0.4271



0.9909, 0.4935, 0.4463

Inverse Universe

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



17.2388, 0.1931, 0.1828



21.5887, 0.1767, 0.1493



7.5556, 0.1755, 0.0962



11.6141, 0.2983, 0.3153



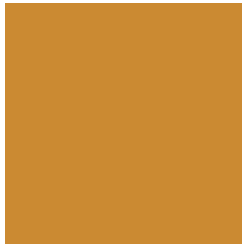
7.1729, 0.1709, 0.1351



0.5194, 0.1816, 0.1738

Previews

White Background



This preview shows how the Yxy color 31.1038, 0.4723, 0.4284 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 31.1038, 0.4723, 0.4284 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 31.1038, 0.4723, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 31.1038, 0.4723, 0.4284.



This preview shows how white text looks on a background with the Yxy color 31.1038, 0.4723, 0.4284.

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

31.1038, 0.4723, 0.4284

Protanopia

31.2689, 0.4202, 0.4614

Deuteranopia

31.1071, 0.4536, 0.4445



Tritanopia

30.9745, 0.3936, 0.3165

Trichromacy



Original Color

31.1038, 0.4723, 0.4284

Protanomaly

31.0696, 0.4388, 0.4490

Deuteranomaly

31.1699, 0.4604, 0.4384

Tritanomaly

30.6859, 0.4279, 0.3612

Monochromacy



Original Color

31.1038, 0.4723, 0.4284

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.3319, 0.3714, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1038, 0.4723, 0.4284 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(203, 138, 50)` looks like.

```
.text, #text, p{  
    color:rgb(203, 138, 50)  
}
```

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(203, 138, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 138, 50) }
```

Border

The CSS property to change the border of an element to Yxy 31.1038, 0.4723, 0.4284 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(203, 138, 50) }
```

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

```
.border{ border-color:rgb(203, 138, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 138, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 138, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 138, 50);  
box-shadow:4px 4px 4px 4px rgb(203, 138,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1038, 0.4723, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 138, 50) }
```

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

```
.background{ background-color: rgb(203,  
138, 50) }
```

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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