

Converting Colors

$Y_{xy}(31.3848, 0.4742, 0.4524)$

Have a look what the booklet for
Yxy(31.3848, 0.4742, 0.4524)
contains.

Yxy(31.2742, 0.4747, 0.4521)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.2742, 0.4747, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	C58E16
RGB	197, 142, 22
RGB Percent	77%, 56%, 9%
CMY	0.2276, 0.4431, 0.9138
CMYK	0.00, 0.28, 0.89, 0.23
HSL	41°, 80%, 43%
HSV	41°, 89%, 77%
XYZ	32.8376, 31.2742, 5.0636
YIQ	144.7650, 71.3000, -25.6600

Conversions

Conversions Part 2

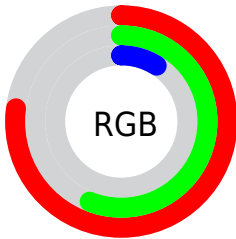
Format	Color
RYB	102, 197, 22
Decimal	12946966
CIELab	62.74, 11.45, 63.83
CIELCh	63, 64.853, 79.827
Yxy	31.2742, 0.4747, 0.4521
Android (android.graphics.Color)	4291137046 (0xFFC58E16)
YUV	144.7650, -60.5231, 45.8101
Hunter-Lab	55.9233, 6.9474, 33.7779

Details

The Yxy color **31.2742, 0.4747, 0.4521** 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 **9.4983, 0.1706, 0.1242**, and the grayscale version is **28.4433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8843, 0.4465, 0.4368**, and **13.0576, 0.4912, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **29.4328, 0.4870, 0.4506**, and if you desaturate by 10%, it is **33.2751, 0.4594, 0.4490**.

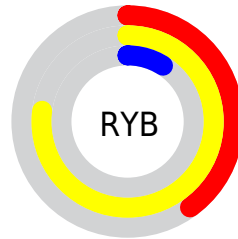
Distribution



Red (77%)

Green (56%)

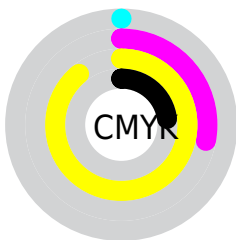
Blue (9%)



Red (40%)

Yellow (77%)

Blue (9%)

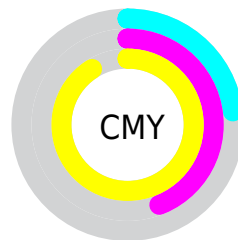


Cyan (0%)

Magenta (28%)

Yellow (89%)

Black (23%)



Cyan (23%)


Magenta (44%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2742, 0.4747, 0.4521 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 31.2742, 0.4747, 0.4521 by changing the saturation by 10% instead.


 31.2742, 0.4747,
0.4521


 31.2742, 0.4747,
0.4521


307.7996, 0.3962,
0.3978


 20.8077, 0.4903,
0.4604


 61.6715, 0.4485,
0.4357

 12.9835, 0.5076,
0.4676


 82.3712, 0.4378,
0.4284

 7.4172, 0.5271,
0.4729


 107.2506, 0.4285,
0.4218

 3.7244, 0.5370,
0.4630

 136.6944, 0.4203,
0.4159

 1.5206, 0.5534,
0.4466

 171.0867, 0.4132,
0.4106

 0.3032, 0.6519,
0.3481

 210.8121, 0.4068,

 0.0000, 0.0000,

0.4059

0.0000

256.2549, 0.4012,
0.4016

31.2742, 0.4747,
0.4521

31.2742, 0.4747,
0.4521

29.4328, 0.4870,
0.4506

33.2751, 0.4594,
0.4490

29.2266, 0.4884,
0.4504

35.4472, 0.4415,
0.4410

37.8027, 0.4219,
0.4290

40.3508, 0.4015,
0.4140

43.0997, 0.3812,
0.3971

■ 46.0569, 0.3616,
0.3793

■ 49.2294, 0.3433,
0.3614

■ 52.6238, 0.3264,
0.3438

■ 56.2462, 0.3110,
0.3271

Harmonies

Analogous

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



31.2742, 0.5130, 0.3808



31.2742, 0.4747, 0.4521



31.2742, 0.3968, 0.5104

Triad

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



31.2742, 0.4747, 0.4521



31.2742, 0.1622, 0.3093



31.2742, 0.2939, 0.2054

Complementary

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



31.2742, 0.4747, 0.4521



9.4983, 0.1706, 0.1242

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.



31.2742, 0.2101, 0.1831



31.2742, 0.4747, 0.4521



31.2742, 0.1452, 0.2268

Square

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



31.2742, 0.4747, 0.4521



31.2742, 0.2170, 0.4265



31.2742, 0.1612, 0.1881



31.2742, 0.4003, 0.2511

Rectangle

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



31.2742, 0.4747, 0.4521



31.2742, 0.3348, 0.5212



31.2742, 0.1612, 0.1881



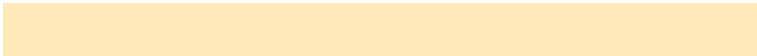
31.2742, 0.2622, 0.1951

Sweetspot

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



31.2758, 0.4747, 0.4521



83.3047, 0.3589, 0.3768



12.9806, 0.5368, 0.2826



17.4242, 0.3656, 0.3830



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.



31.2758, 0.4747, 0.4521



51.8909, 0.4897, 0.4493



47.9633, 0.3882, 0.5230



11.8334, 0.3273, 0.3448



19.3855, 0.4873, 0.4513



1.0433, 0.4699, 0.4651

Inverse Universe

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



9.4983, 0.1706, 0.1242



12.9682, 0.1611, 0.0998



5.3889, 0.1686, 0.0764



10.8219, 0.2983, 0.3127



5.0409, 0.1624, 0.1046



0.3698, 0.1744, 0.1479

Previews

White Background



This preview shows how the Yxy color 31.2742, 0.4747, 0.4521 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 31.2742, 0.4747, 0.4521 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 31.2742, 0.4747, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 31.2742, 0.4747, 0.4521.



This preview shows how white text looks on a background with the Yxy color 31.2742, 0.4747, 0.4521.

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

31.2742, 0.4747, 0.4521

Protanopia

31.5106, 0.4338, 0.4820

Deuteranopia

31.2035, 0.4679, 0.4586



Tritanopia

31.1520, 0.3833, 0.3162

Trichromacy



Original Color

31.2742, 0.4747, 0.4521

Protanomaly

31.2641, 0.4483, 0.4713

Deuteranomaly

31.1684, 0.4708, 0.4557

Tritanomaly

30.9077, 0.4297, 0.3784

Monochromacy



Original Color

31.2742, 0.4747, 0.4521

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.7591, 0.3805, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2742, 0.4747, 0.4521 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(197, 142, 22)` looks like.

```
.text, #text, p{  
    color:rgb(197, 142, 22)  
}
```

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(197, 142, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 142, 22) }
```

Border

The CSS property to change the border of an element to Yxy 31.2742, 0.4747, 0.4521 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(197, 142, 22) }
```

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

```
.border{ border-color:rgb(197, 142, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 142, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 142, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 142, 22);  
box-shadow:4px 4px 4px 4px rgb(197, 142,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2742, 0.4747, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 142, 22) }
```

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

```
.background{ background-color: rgb(197,  
142, 22) }
```

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