

Converting Colors

$Y_{xy}(29.4219, 0.4619, 0.4225)$

Have a look what the booklet for
Yxy(29.4219, 0.4619, 0.4225)
contains.

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Color

Yxy(29.3692, 0.4630, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	C4873A
RGB	196, 135, 58
RGB Percent	77%, 53%, 23%
CMY	0.2314, 0.4706, 0.7727
CMYK	0.00, 0.31, 0.70, 0.23
HSL	33°, 54%, 50%
HSV	33°, 70%, 77%
XYZ	32.1921, 29.3692, 7.9681
YIQ	144.4610, 61.0730, -11.0150

Conversions

Conversions Part 2

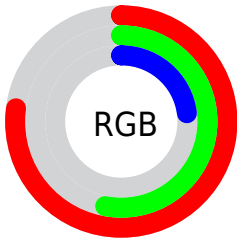
Format	Color
R_{YB}	167, 196, 58
Decimal	12879674
CIE _{Lab}	61.11, 16.18, 49.29
CIE _{LCh}	61, 51.873, 71.830
Yxy	29.3692, 0.4630, 0.4224
Android (android.graphics.Color)	4291069754 (0xFFC4873A)
YUV	144.4610, -42.6253, 45.1997
Hunter-Lab	54.1934, 11.1947, 29.2179

Details

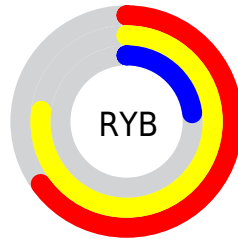
The Yxy color **29.3692, 0.4630, 0.4224** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **18.0643, 0.2008, 0.1983**, and the grayscale version is **28.2417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3306, 0.4341, 0.4086**, and **11.9025, 0.5042, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **26.8886, 0.4865, 0.4271**, and if you desaturate by 10%, it is **32.1252, 0.4382, 0.4134**.

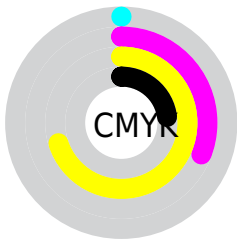
Distribution



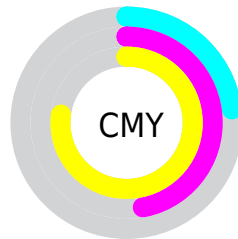
- Red (77%)
- Green (53%)
- Blue (23%)



- Red (65%)
- Yellow (77%)
- Blue (23%)



- Cyan (0%)
- Magenta (31%)
- Yellow (70%)
- Black (23%)





- Cyan (23%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3692, 0.4630, 0.4224 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 29.3692, 0.4630, 0.4224 by changing the saturation by 10% instead.


 29.3692, 0.4630,
0.4224


 29.3692, 0.4630,
0.4224


298.9530, 0.3854,
0.3793

 19.3603, 0.4813,
0.4301


 58.6632, 0.4351,
0.4086

 11.9309, 0.5032,
0.4374


 78.7170, 0.4245,
0.4028


 6.6966, 0.5336,
0.4461


 102.8879, 0.4154,
0.3976

 3.2731, 0.5593,
0.4407

 131.5604, 0.4077,
0.3931

 1.2759, 0.5838,
0.4162

 165.1187, 0.4009,
0.3890

 0.1225, 0.8068,
0.1932

 203.9473, 0.3951,

 0.0000, 0.0000,

0.3854

0.0000

248.4306, 0.3900,
0.3822

■ 29.3692, 0.4630,
0.4224

■ 29.3692, 0.4630,
0.4224

■ 26.8886, 0.4865,
0.4271

■ 32.1252, 0.4382,
0.4134

■ 24.6653, 0.5072,
0.4267

■ 35.1644, 0.4134,
0.4014

■ 22.7593, 0.5242,
0.4219

■ 38.4994, 0.3896,
0.3875

■ 42.1405, 0.3675,
0.3728

■ 46.0974, 0.3474,
0.3579

■ 50.3791, 0.3293,
0.3434

■ 54.9944, 0.3134,
0.3296

■ 59.9514, 0.2993,
0.3167

■ 65.2581, 0.2869,
0.3047

Harmonies

Analogous

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



29.3692, 0.4785, 0.3619



29.3692, 0.4630, 0.4224



29.3692, 0.4068, 0.4719

Triad

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



29.3692, 0.4630, 0.4224



29.3692, 0.1960, 0.3390



29.3692, 0.2769, 0.2164

Complementary

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



29.3692, 0.4630, 0.4224



18.0643, 0.2008, 0.1983

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.



29.3692, 0.2124, 0.2033



29.3692, 0.4630, 0.4224



29.3692, 0.1710, 0.2607

Square

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



29.3692, 0.4630, 0.4224



29.3692, 0.2526, 0.4301



29.3692, 0.1770, 0.2163



29.3692, 0.3620, 0.2515

Rectangle

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



29.3692, 0.4630, 0.4224



29.3692, 0.3566, 0.4855



29.3692, 0.1770, 0.2163



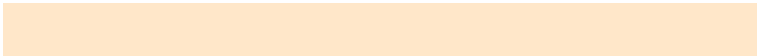
29.3692, 0.2523, 0.2094

Sweetspot

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



29.3707, 0.4630, 0.4224



82.8406, 0.3491, 0.3592



16.1149, 0.4376, 0.2549



17.2916, 0.3546, 0.3634



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.



29.3707, 0.4630, 0.4224



46.2781, 0.4991, 0.4275



50.6173, 0.4003, 0.4881



10.9894, 0.3275, 0.3419



14.7975, 0.5224, 0.4234



0.7749, 0.4934, 0.4464

Inverse Universe

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



18.0643, 0.2008, 0.1983



24.6917, 0.1826, 0.1646



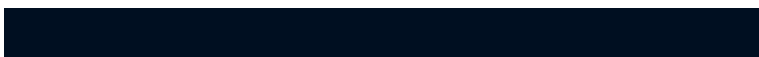
8.1254, 0.1823, 0.1086



10.4640, 0.2984, 0.3158



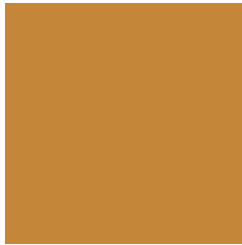
7.0648, 0.1725, 0.1408



0.4424, 0.1846, 0.1846

Previews

White Background



This preview shows how the Yxy color 29.3692, 0.4630, 0.4224 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3692, 0.4630, 0.4224 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3692, 0.4630, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 29.3692, 0.4630, 0.4224.



This preview shows how white text looks on a background with the Yxy color 29.3692, 0.4630, 0.4224.

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

29.3692, 0.4630, 0.4224

Protanopia

29.5269, 0.4129, 0.4519

Deuteranopia

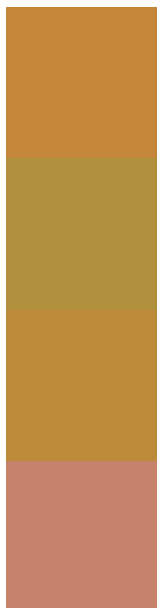
29.5256, 0.4453, 0.4381



Tritanopia

29.3738, 0.3903, 0.3174

Trichromacy



Original Color

29.3692, 0.4630, 0.4224

Protanomaly

29.2119, 0.4307, 0.4404

Deuteranomaly

29.4520, 0.4510, 0.4325

Tritanomaly

29.1901, 0.4204, 0.3584

Monochromacy



Original Color

29.3692, 0.4630, 0.4224

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0285, 0.3671, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3692, 0.4630, 0.4224 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(196, 135, 58)` looks like.

```
.text, #text, p{  
    color:rgb(196, 135, 58)  
}
```

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(196, 135, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 135, 58) }
```

Border

The CSS property to change the border of an element to Yxy 29.3692, 0.4630, 0.4224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

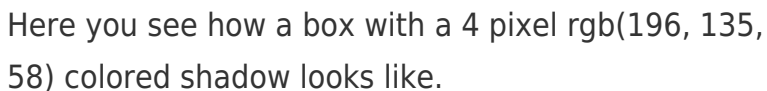
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 135, 58) }
```

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

```
.border{ border-color:rgb(196, 135, 58) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 135, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 135, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 135, 58);  
box-shadow:4px 4px 4px 4px rgb(196, 135,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3692, 0.4630, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 135, 58) }
```

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

```
.background{ background-color: rgb(196,  
135, 58) }
```

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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