

Converting Colors

$Y_{xy}(26.8404, 0.4429, 0.3688)$

Have a look what the booklet for
Yxy(26.8404, 0.4429, 0.3688)
contains.

Yxy(26.9444, 0.4433, 0.3698)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9444, 0.4433, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	C67B5C
RGB	198, 123, 92
RGB Percent	78%, 48%, 36%
CMY	0.2236, 0.5176, 0.6393
CMYK	0.00, 0.38, 0.54, 0.22
HSL	18°, 48%, 57%
HSV	18°, 54%, 78%
XYZ	32.2998, 26.9444, 13.6179
YIQ	141.8910, 54.6510, 6.2590

Conversions

Conversions Part 2

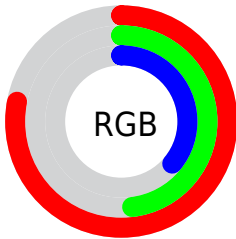
Format	Color
RYB	198, 136, 92
Decimal	13007708
CIELab	58.92, 25.97, 29.16
CIElCh	59, 39.050, 48.305
Yxy	26.9444, 0.4433, 0.3698
Android (android.graphics.Color)	4291197788 (0xFFC67B5C)
YUV	141.8910, -24.5963, 49.2076
Hunter-Lab	51.9080, 20.2327, 20.7810

Details

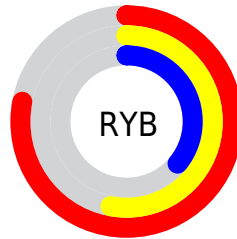
The Yxy color **26.9444, 0.4433, 0.3698** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **33.9685, 0.2351, 0.2811**, and the grayscale version is **27.0881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2938, 0.4136, 0.3638**, and **10.6173, 0.4898, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **23.4142, 0.4793, 0.3749**, and if you desaturate by 10%, it is **31.0647, 0.4105, 0.3628**.

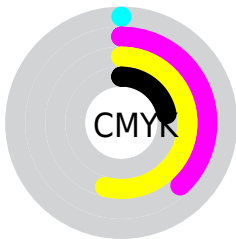
Distribution



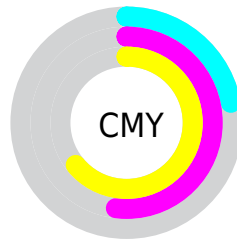
- Red (78%)
- Green (48%)
- Blue (36%)



- Red (78%)
- Yellow (53%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (54%)
- Black (22%)




- Cyan (22%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9444, 0.4433, 0.3698 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 26.9444, 0.4433, 0.3698 by changing the saturation by 10% instead.


 26.9444, 0.4433,
0.3698

 26.9444, 0.4433,
0.3698


287.3878, 0.3720,
0.3514

 17.5315, 0.4627,
0.3730


 54.7946, 0.4161,
0.3640


 10.6141, 0.4883,
0.3760


 74.0007, 0.4062,
0.3615

 5.8080, 0.5231,
0.3773

 97.2400, 0.3981,
0.3593

 2.7287, 0.5846,
0.3815

 124.8968, 0.3912,
0.3573

 0.9918, 0.6454,
0.3546

157.3556, 0.3853,
0.3556

 0.0000, 1.0000,
0.0000

195.0008, 0.3803,

 0.0000, 0.0000,

0.3541

0.0000

238.2167, 0.3759,
0.3527

■ 26.9444, 0.4433,
0.3698

■ 26.9444, 0.4433,
0.3698

■ 23.4142, 0.4793,
0.3749

■ 31.0647, 0.4105,
0.3628

■ 20.4417, 0.5166,
0.3771

■ 35.7972, 0.3817,
0.3550

■ 17.9976, 0.5522,
0.3751

■ 41.1678, 0.3569,
0.3469

■ 16.0476, 0.5825,
0.3685

■ 47.1995, 0.3360,
0.3390

■ 15.0268, 0.5987,
0.3628

■ 53.9143, 0.3183,
0.3315

■ 61.3330, 0.3034,
0.3246

■ 69.4758, 0.2909,
0.3182

■ 78.3617, 0.2803,
0.3124

■ 86.9936, 0.2790,
0.3226

Harmonies

Analogous

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



26.9444, 0.4215, 0.3201



26.9444, 0.4433, 0.3698



26.9444, 0.4255, 0.4163

Triad

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



26.9444, 0.4433, 0.3698



26.9444, 0.2552, 0.3919



26.9444, 0.2425, 0.2281

Complementary

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



26.9444, 0.4433, 0.3698



33.9685, 0.2351, 0.2811

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.



26.9444, 0.2075, 0.2352



26.9444, 0.4433, 0.3698



26.9444, 0.2135, 0.3238

Square

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



26.9444, 0.4433, 0.3698



26.9444, 0.3151, 0.4404



26.9444, 0.1974, 0.2671



26.9444, 0.2991, 0.2428

Rectangle

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



26.9444, 0.4433, 0.3698



26.9444, 0.3960, 0.4393



26.9444, 0.1974, 0.2671



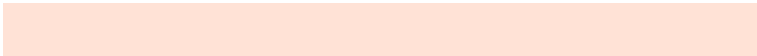
26.9444, 0.2281, 0.2279

Sweetspot

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



26.9458, 0.4433, 0.3698



80.5974, 0.3413, 0.3411



22.4792, 0.3552, 0.2336



16.7667, 0.3456, 0.3427



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.



26.9458, 0.4433, 0.3698



40.6640, 0.4846, 0.3755



43.4425, 0.4040, 0.4329



11.1346, 0.3282, 0.3358



9.9039, 0.5963, 0.3647



0.5967, 0.5542, 0.3981

Inverse Universe

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



33.9685, 0.2351, 0.2811



54.2154, 0.2221, 0.2687



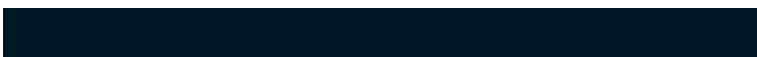
18.5996, 0.2176, 0.1953



11.5227, 0.2984, 0.3221



15.0081, 0.1977, 0.2317



0.8314, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 26.9444, 0.4433, 0.3698 looks on a white background.

Color Contrast Check

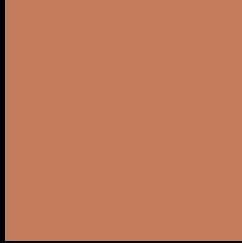
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9444, 0.4433, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

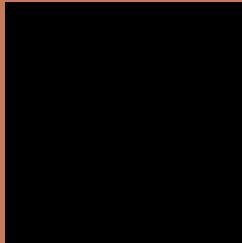
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9444, 0.4433, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 26.9444, 0.4433, 0.3698.



This preview shows how white text looks on a background with the Yxy color 26.9444, 0.4433, 0.3698.

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

26.9444, 0.4433, 0.3698

Protanopia

27.0384, 0.3687, 0.3970

Deuteranopia

27.1002, 0.4065, 0.3988



Tritanopia

26.9067, 0.4058, 0.3174

Trichromacy



Original Color

26.9444, 0.4433, 0.3698

Protanomaly

26.6260, 0.3950, 0.3869

Deuteranomaly

26.7945, 0.4198, 0.3876

Tritanomaly

26.9272, 0.4205, 0.3372

Monochromacy



Original Color

26.9444, 0.4433, 0.3698

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.4646, 0.3560, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9444, 0.4433, 0.3698 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(198, 123, 92)` looks like.

```
.text, #text, p{  
    color:rgb(198, 123, 92)  
}
```

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(198, 123, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 123, 92) }
```

Border

The CSS property to change the border of an element to Yxy 26.9444, 0.4433, 0.3698 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(198, 123, 92) }
```

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

```
.border{ border-color:rgb(198, 123, 92) }
```

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

Here you see how a box with a 4 pixel rgb(198, 123, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 123, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 123, 92);  
box-shadow:4px 4px 4px 4px rgb(198, 123,  
92) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 26.9444, 0.4433, 0.3698$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 123, 92) }
```

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

```
.background{ background-color: rgb(198,  
123, 92) }
```

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