

Converting Colors

$Y_{xy}(30.0801, 0.4261, 0.3781)$

Have a look what the booklet for
Yxy(30.0801, 0.4261, 0.3781)
contains.

Yxy(30.0801, 0.4261, 0.3781)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0801, 0.4261, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	C58762
RGB	197, 135, 98
RGB Percent	77%, 53%, 38%
CMY	0.2274, 0.4706, 0.6156
CMYK	0.00, 0.31, 0.50, 0.23
HSL	22°, 46%, 58%
HSV	22°, 50%, 77%
XYZ	33.8988, 30.0801, 15.5771
YIQ	149.3200, 48.8290, 1.6370

Conversions

Conversions Part 2

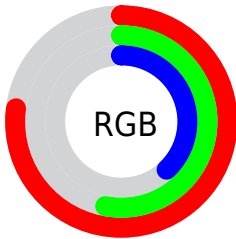
Format	Color
RYB	197, 157, 98
Decimal	12945250
CIELab	61.72, 19.57, 29.40
CIElCh	62, 35.321, 56.355
Yxy	30.0801, 0.4261, 0.3781
Android (android.graphics.Color)	4291135330 (0xFFC58762)
YUV	149.3200, -25.3008, 41.8154
Hunter-Lab	54.8453, 14.3479, 21.5523

Details

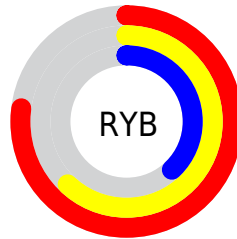
The Yxy color **30.0801, 0.4261, 0.3781** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7834, 0.2367, 0.2717**, and the grayscale version is **30.2913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3964, 0.4027, 0.3700**, and **12.3115, 0.4624, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **26.5073, 0.4580, 0.3859**, and if you desaturate by 10%, it is **34.1467, 0.3970, 0.3687**.

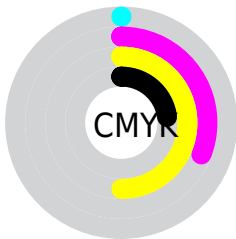
Distribution



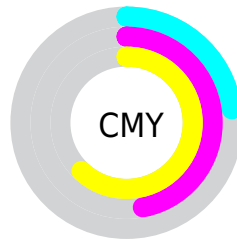
- Red (77%)
- Green (53%)
- Blue (38%)



- Red (77%)
- Yellow (62%)
- Blue (38%)



- Cyan (0%)
- Magenta (31%)
- Yellow (50%)
- Black (23%)





- Cyan (23%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0801, 0.4261, 0.3781 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 30.0801, 0.4261, 0.3781 by changing the saturation by 10% instead.


 30.0801, 0.4261,
0.3781


 30.0801, 0.4261,
0.3781


302.2776, 0.3653,
0.3547


 19.8994, 0.4423,
0.3830


 59.7888, 0.4032,
0.3701

 12.3219, 0.4635,
0.3886


 80.0856, 0.3948,
0.3670

 6.9633, 0.4920,
0.3941


 104.5233, 0.3878,
0.3642

 3.4392, 0.5346,
0.4000

 133.4861, 0.3819,
0.3618

 1.3651, 0.5997,
0.4003

167.3586, 0.3768,
0.3597

 0.1908, 0.7755,
0.2245

206.5251, 0.3725,

 0.0000, 0.0000,

0.3579

0.0000

251.3700, 0.3686,
0.3562

■ 30.0801, 0.4261,
0.3781

■ 30.0801, 0.4261,
0.3781

■ 26.5073, 0.4580,
0.3859

■ 34.1467, 0.3970,
0.3687

■ 23.4036, 0.4914,
0.3909

■ 38.7218, 0.3712,
0.3585

■ 20.7482, 0.5242,
0.3918

■ 43.8248, 0.3488,
0.3484

■ 18.5166, 0.5537,
0.3876

■ 49.4728, 0.3296,
0.3385

■ 16.7167, 0.5778,
0.3795

■ 55.6819, 0.3131,
0.3292

■ 62.4677, 0.2991,
0.3206

■ 69.8449, 0.2871,
0.3127

■ 77.7876, 0.2771,
0.3061

■ 85.0514, 0.2782,
0.3195

Harmonies

Analogous

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



30.0801, 0.4160, 0.3338



30.0801, 0.4261, 0.3781



30.0801, 0.4031, 0.4157

Triad

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



30.0801, 0.4261, 0.3781



30.0801, 0.2507, 0.3682



30.0801, 0.2629, 0.2411

Complementary

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



30.0801, 0.4261, 0.3781



31.7834, 0.2367, 0.2717

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.



30.0801, 0.2258, 0.2424



30.0801, 0.4261, 0.3781



30.0801, 0.2190, 0.3102

Square

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



30.0801, 0.4261, 0.3781



30.0801, 0.3007, 0.4167



30.0801, 0.2106, 0.2654



30.0801, 0.3167, 0.2589

Rectangle

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



30.0801, 0.4261, 0.3781



30.0801, 0.3739, 0.4306



30.0801, 0.2106, 0.2654



30.0801, 0.2483, 0.2393

Sweetspot

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



30.0816, 0.4261, 0.3781



83.4299, 0.3388, 0.3433



23.1736, 0.3625, 0.2485



17.3989, 0.3430, 0.3455



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.



30.0816, 0.4261, 0.3781



47.0679, 0.4602, 0.3863



46.9607, 0.3932, 0.4361



11.2752, 0.3280, 0.3377



11.1411, 0.5754, 0.3813



0.6662, 0.5360, 0.4126

Inverse Universe

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



31.7834, 0.2367, 0.2717



50.3635, 0.2228, 0.2569



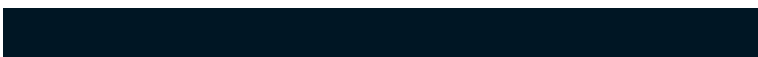
18.0446, 0.2213, 0.1918



11.3759, 0.2984, 0.3202



12.2011, 0.1897, 0.2030



0.7134, 0.1979, 0.2322

Previews

White Background



This preview shows how the Yxy color 30.0801, 0.4261, 0.3781 looks on a white background.

Color Contrast Check

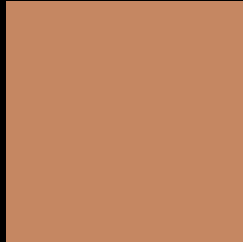
Large Text (above 18pt) WCAG AA × Fail

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 30.0801, 0.4261, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

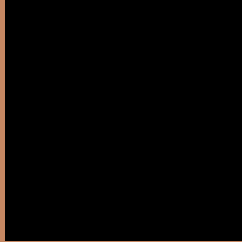
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0801, 0.4261, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 30.0801, 0.4261, 0.3781.



This preview shows how white text looks on a background with the Yxy color 30.0801, 0.4261, 0.3781.

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

30.0801, 0.4261, 0.3781

Protanopia

30.0714, 0.3704, 0.3986

Deuteranopia

30.1927, 0.4035, 0.3961



Tritanopia

30.1087, 0.3843, 0.3173

Trichromacy



Original Color

30.0801, 0.4261, 0.3781

Protanomaly

29.9045, 0.3899, 0.3909

Deuteranomaly

30.0583, 0.4113, 0.3890

Tritanomaly

30.0999, 0.4002, 0.3399

Monochromacy



Original Color

30.0801, 0.4261, 0.3781

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.6652, 0.3511, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0801, 0.4261, 0.3781 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, 135, 98)` looks like.

```
.text, #text, p{  
    color:rgb(197, 135, 98)  
}
```

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, 135, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 135, 98) }
```

Border

The CSS property to change the border of an element to Yxy 30.0801, 0.4261, 0.3781 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, 135, 98) }
```

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

```
.border{ border-color:rgb(197, 135, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 135, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 135, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 135, 98);  
box-shadow:4px 4px 4px 4px rgb(197, 135,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0801, 0.4261, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 135, 98) }
```

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

```
.background{ background-color: rgb(197,  
135, 98) }
```

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