

Converting Colors

$Y_{xy}(30.1761, 0.4538, 0.4184)$

Have a look what the booklet for
Yxy(30.1761, 0.4538, 0.4184)
contains.

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Color

Yxy(30.3061, 0.4534, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	C48A42
RGB	196, 138, 66
RGB Percent	77%, 54%, 26%
CMY	0.2315, 0.4588, 0.7411
CMYK	0.00, 0.30, 0.66, 0.23
HSL	33°, 52%, 51%
HSV	33°, 66%, 77%
XYZ	32.8334, 30.3061, 9.2765
YIQ	147.1340, 57.6800, -10.0960

Conversions

Conversions Part 2

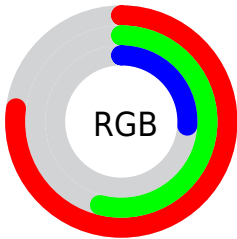
Format	Color
RYB	171, 196, 66
Decimal	12880450
CIELab	61.92, 14.98, 46.34
CIElCh	62, 48.697, 72.086
Yxy	30.3061, 0.4534, 0.4185
Android (android.graphics.Color)	4291070530 (0xFFC48A42)
YUV	147.1340, -39.9991, 42.8555
Hunter-Lab	55.0510, 10.1215, 28.5449

Details

The Yxy color **30.3061, 0.4534, 0.4185** 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 **19.5558, 0.2067, 0.2082**, and the grayscale version is **29.3882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8060, 0.4264, 0.4043**, and **12.4144, 0.4924, 0.4350** is the 20% darker color. If you saturate the color by 10%, you get **27.7061, 0.4778, 0.4250**, and if you desaturate by 10%, it is **33.1902, 0.4283, 0.4082**.

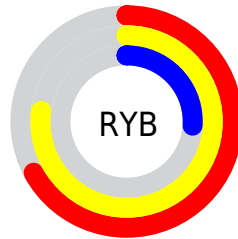
Distribution



Red (77%)

Green (54%)

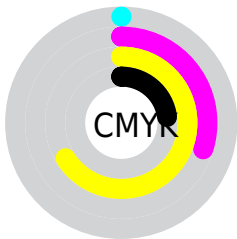
Blue (26%)



Red (67%)

Yellow (77%)

Blue (26%)

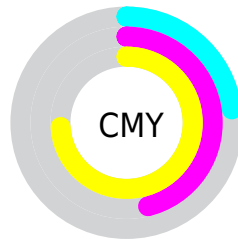


Cyan (0%)

Magenta (30%)

Yellow (66%)

Black (23%)



Cyan (23%)


Magenta (46%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3061, 0.4534, 0.4185 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 30.3061, 0.4534, 0.4185 by changing the saturation by 10% instead.


 30.3061, 0.4534,
0.4185


 30.3061, 0.4534,
0.4185


303.3287, 0.3805,
0.3765


 20.0710, 0.4709,
0.4266


 60.1459, 0.4270,
0.4047


 12.4467, 0.4923,
0.4348


 80.5195, 0.4170,
0.3990

 7.0487, 0.5191,
0.4427


 105.0413, 0.4086,
0.3940

 3.4926, 0.5529,
0.4471

 134.0958, 0.4013,
0.3896

 1.3940, 0.5747,
0.4253

 168.0674, 0.3950,
0.3857

 0.2123, 0.7277,
0.2723

207.3405, 0.3896,

 0.0000, 0.0000,

0.3823

0.0000

252.2995, 0.3848,
0.3793

■ 30.3061, 0.4534,
0.4185

■ 30.3061, 0.4534,
0.4185

■ 27.7061, 0.4778,
0.4250

■ 33.1902, 0.4283,
0.4082

■ 25.3725, 0.5001,
0.4267

■ 36.3658, 0.4036,
0.3954

■ 23.2909, 0.5189,
0.4230

■ 39.8452, 0.3804,
0.3811

■ 22.5779, 0.5255,
0.4210

■ 43.6386, 0.3590,
0.3663

■ 47.7554, 0.3397,
0.3517

■ 52.2048, 0.3225,
0.3375

■ 56.9953, 0.3073,
0.3242

■ 62.1351, 0.2940,
0.3118

■ 67.6322, 0.2823,
0.3003

Harmonies

Analogous

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



30.3061, 0.4673, 0.3618



30.3061, 0.4534, 0.4185



30.3061, 0.4013, 0.4631

Triad

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



30.3061, 0.4534, 0.4185



30.3061, 0.2032, 0.3382



30.3061, 0.2802, 0.2232

Complementary

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



30.3061, 0.4534, 0.4185



19.5558, 0.2067, 0.2082

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.



30.3061, 0.2191, 0.2107



30.3061, 0.4534, 0.4185



30.3061, 0.1793, 0.2655

Square

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



30.3061, 0.4534, 0.4185



30.3061, 0.2566, 0.4215



30.3061, 0.1851, 0.2233



30.3061, 0.3595, 0.2567

Rectangle

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



30.3061, 0.4534, 0.4185



30.3061, 0.3543, 0.4740



30.3061, 0.1851, 0.2233



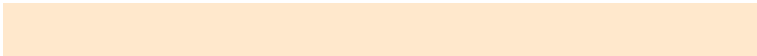
30.3061, 0.2571, 0.2165

Sweetspot

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



30.3076, 0.4534, 0.4185



83.4750, 0.3472, 0.3575



17.1000, 0.4266, 0.2571



17.4128, 0.3527, 0.3617



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.



30.3076, 0.4534, 0.4185



48.0532, 0.4892, 0.4265



50.7447, 0.3971, 0.4818



10.9823, 0.3275, 0.3418



14.6846, 0.5236, 0.4225



0.7703, 0.4943, 0.4457

Inverse Universe

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



19.5558, 0.2067, 0.2082



27.2671, 0.1880, 0.1763



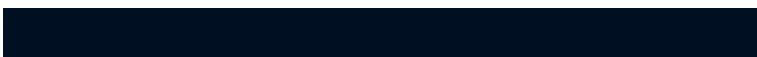
9.2814, 0.1896, 0.1203



10.4710, 0.2984, 0.3159



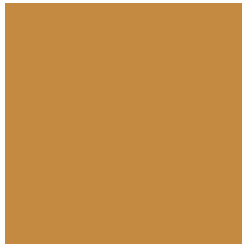
7.1512, 0.1728, 0.1421



0.4463, 0.1849, 0.1857

Previews

White Background



This preview shows how the Yxy color 30.3061, 0.4534, 0.4185 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 30.3061, 0.4534, 0.4185 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 30.3061, 0.4534, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 30.3061, 0.4534, 0.4185.



This preview shows how white text looks on a background with the Yxy color 30.3061, 0.4534, 0.4185.

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

30.3061, 0.4534, 0.4185

Protanopia

30.3619, 0.4062, 0.4446

Deuteranopia

30.4657, 0.4386, 0.4307



Tritanopia

30.2762, 0.3842, 0.3161

Trichromacy



Original Color

30.3061, 0.4534, 0.4185

Protanomaly

30.3346, 0.4227, 0.4349

Deuteranomaly

30.3786, 0.4449, 0.4262

Tritanomaly

30.1094, 0.4127, 0.3558

Monochromacy



Original Color

30.3061, 0.4534, 0.4185

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2539, 0.3627, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3061, 0.4534, 0.4185 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, 138, 66)` looks like.

```
.text, #text, p{  
    color:rgb(196, 138, 66)  
}
```

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, 138, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 138, 66) }
```

Border

The CSS property to change the border of an element to Yxy 30.3061, 0.4534, 0.4185 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, 138, 66) }
```

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

```
.border{ border-color:rgb(196, 138, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 138, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 138, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 138, 66);  
box-shadow:4px 4px 4px 4px rgb(196, 138,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3061, 0.4534, 0.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 138, 66) }
```

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

```
.background{ background-color: rgb(196,  
138, 66) }
```

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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