

Converting Colors

$Yxy(30.0861, 0.4884, 0.4389)$

Have a look what the booklet for
Yxy(30.0861, 0.4884, 0.4389)
contains.

Yxy(30.0946, 0.4884, 0.4392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0946, 0.4884, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	CB8719
RGB	203, 135, 25
RGB Percent	80%, 53%, 10%
CMY	0.2040, 0.4705, 0.9022
CMYK	0.00, 0.33, 0.88, 0.20
HSL	37°, 78%, 45%
HSV	37°, 88%, 80%
XYZ	33.4659, 30.0946, 4.9609
YIQ	142.7920, 75.8380, -19.7940

Conversions

Conversions Part 2

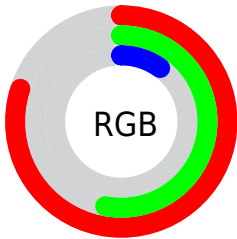
Format	Color
RYB	135, 203, 25
Decimal	13338393
CIELab	61.74, 18.00, 62.59
CIElCh	62, 65.131, 73.957
Yxy	30.0946, 0.4884, 0.4392
Android (android.graphics.Color)	4291528473 (0xFFCB8719)
YUV	142.7920, -58.0715, 52.8024
Hunter-Lab	54.8585, 12.8895, 33.0393

Details

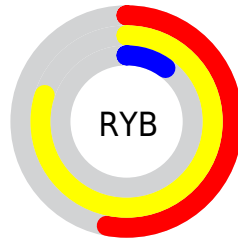
The Yxy color **30.0946, 0.4884, 0.4392** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **12.3319, 0.1764, 0.1442**, and the grayscale version is **27.5926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8356, 0.4516, 0.4299**, and **12.3366, 0.5110, 0.4325** is the 20% darker color. If you saturate the color by 10%, you get **27.9516, 0.5039, 0.4364**, and if you desaturate by 10%, it is **32.4598, 0.4697, 0.4370**.

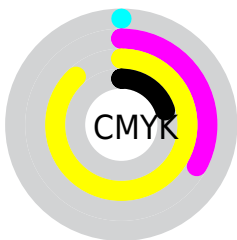
Distribution



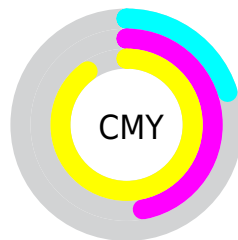
- Red (80%)
- Green (53%)
- Blue (10%)



- Red (53%)
- Yellow (80%)
- Blue (10%)



- Cyan (0%)
- Magenta (33%)
- Yellow (88%)
- Black (20%)



- Cyan (20%)
- Magenta (47%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0946, 0.4884, 0.4392 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 30.0946, 0.4884, 0.4392 by changing the saturation by 10% instead.


 30.0946, 0.4884,
0.4392


 30.0946, 0.4884,
0.4392


302.3452, 0.4017,
0.3926


 19.9104, 0.5064,
0.4452


 59.8118, 0.4589,
0.4259

 12.3299, 0.5267,
0.4494


 80.1135, 0.4471,
0.4197

 6.9688, 0.5500,
0.4500


 104.5565, 0.4369,
0.4140

 3.4426, 0.5656,
0.4344

 133.5253, 0.4279,
0.4088

 1.3669, 0.5914,
0.4086

 167.4041, 0.4201,
0.4041

 0.1922, 0.7640,
0.2360

 206.5775, 0.4132,

 0.0000, 0.0000,

0.3999

0.0000

251.4297, 0.4072,
0.3961

30.0946, 0.4884,
0.4392

30.0946, 0.4884,
0.4392

27.9516, 0.5039,
0.4364

32.4598, 0.4697,
0.4370

27.4866, 0.5073,
0.4354

35.0594, 0.4485,
0.4298

37.9075, 0.4260,
0.4187

41.0154, 0.4034,
0.4048

44.3931, 0.3815,
0.3892

■ 48.0499, 0.3608,
0.3729

■ 51.9947, 0.3419,
0.3565

■ 56.2356, 0.3247,
0.3407

■ 60.7805, 0.3094,
0.3256

Harmonies

Analogous

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



30.0946, 0.5167, 0.3670



30.0946, 0.4884, 0.4392



30.0946, 0.4149, 0.5041

Triad

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



30.0946, 0.4884, 0.4392



30.0946, 0.1678, 0.3305



30.0946, 0.2742, 0.1973

Complementary

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



30.0946, 0.4884, 0.4392



12.3319, 0.1764, 0.1442

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.



30.0946, 0.1961, 0.1798



30.0946, 0.4884, 0.4392



30.0946, 0.1437, 0.2376

Square

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



30.0946, 0.4884, 0.4392



30.0946, 0.2305, 0.4510



30.0946, 0.1536, 0.1907



30.0946, 0.3803, 0.2394

Rectangle

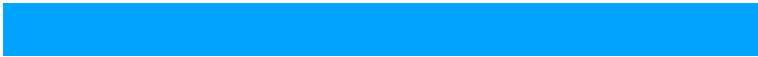
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0946, 0.4884, 0.4392



30.0946, 0.3535, 0.5250



30.0946, 0.1536, 0.1907



30.0946, 0.2442, 0.1886

Sweetspot

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



30.0961, 0.4884, 0.4392



81.3404, 0.3581, 0.3706



14.1817, 0.5100, 0.2683



16.9336, 0.3651, 0.3764



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.



30.0961, 0.4884, 0.4392



45.5913, 0.5087, 0.4343



52.7495, 0.3985, 0.5143



12.3491, 0.3275, 0.3433



17.6747, 0.5057, 0.4366



1.0556, 0.4845, 0.4535

Inverse Universe

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



12.3319, 0.1764, 0.1442



15.8360, 0.1660, 0.1176



5.5782, 0.1637, 0.0746



11.5344, 0.2983, 0.3143



6.3305, 0.1674, 0.1224



0.4721, 0.1784, 0.1622

Previews

White Background



This preview shows how the Yxy color 30.0946, 0.4884, 0.4392 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 30.0946, 0.4884, 0.4392 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 30.0946, 0.4884, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 30.0946, 0.4884, 0.4392.



This preview shows how white text looks on a background with the Yxy color 30.0946, 0.4884, 0.4392.

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

30.0946, 0.4884, 0.4392

Protanopia

30.2262, 0.4325, 0.4793

Deuteranopia

30.2153, 0.4674, 0.4587



Tritanopia

30.2263, 0.4009, 0.3178

Trichromacy



Original Color

30.0946, 0.4884, 0.4392

Protanomaly

30.1584, 0.4527, 0.4645

Deuteranomaly

29.9925, 0.4756, 0.4510

Tritanomaly

29.7921, 0.4448, 0.3718

Monochromacy



Original Color

30.0946, 0.4884, 0.4392

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6756, 0.3839, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0946, 0.4884, 0.4392 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(203, 135, 25)` looks like.

```
.text, #text, p{  
    color:rgb(203, 135, 25)  
}
```

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(203, 135, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 135, 25) }
```

Border

The CSS property to change the border of an element to Yxy 30.0946, 0.4884, 0.4392 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(203, 135, 25) }
```

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

```
.border{ border-color:rgb(203, 135, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 135, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 135, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 135, 25);  
box-shadow:4px 4px 4px 4px rgb(203, 135,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0946, 0.4884, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 135, 25) }
```

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

```
.background{ background-color: rgb(203,  
135, 25) }
```

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