

Converting Colors

$Y_{xy}(30.0138, 0.4349, 0.3918)$

Have a look what the booklet for
Yxy(30.0138, 0.4349, 0.3918)
contains.

Yxy(30.0487, 0.4348, 0.3920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0487, 0.4348, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	C48858
RGB	196, 136, 88
RGB Percent	77%, 53%, 35%
CMY	0.2314, 0.4666, 0.6549
CMYK	0.00, 0.31, 0.55, 0.23
HSL	27°, 48%, 56%
HSV	27°, 55%, 77%
XYZ	33.3295, 30.0487, 13.2766
YIQ	148.4680, 51.1680, -2.2080

Conversions

Conversions Part 2

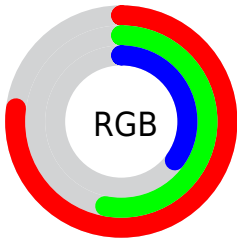
Format	Color
RYB	196, 174, 88
Decimal	12879960
CIELab	61.70, 17.69, 34.78
CIElCh	62, 39.023, 63.043
Yxy	30.0487, 0.4348, 0.3920
Android (android.graphics.Color)	4291070040 (0xFFC48858)
YUV	148.4680, -29.8107, 41.6856
Hunter-Lab	54.8167, 12.6020, 24.0116

Details

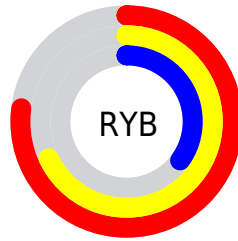
The Yxy color **30.0487, 0.4348, 0.3920** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **27.2370, 0.2276, 0.2522**, and the grayscale version is **29.9322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5193, 0.4105, 0.3812**, and **12.3046, 0.4730, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **26.8551, 0.4645, 0.4002**, and if you desaturate by 10%, it is **33.6441, 0.4067, 0.3815**.

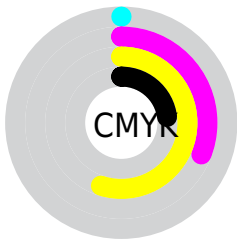
Distribution



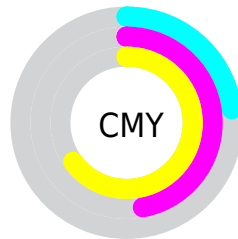
- Red (77%)
- Green (53%)
- Blue (35%)



- Red (77%)
- Yellow (68%)
- Blue (35%)



- Cyan (0%)
- Magenta (31%)
- Yellow (55%)
- Black (23%)





- Cyan (23%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0487, 0.4348, 0.3920 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 30.0487, 0.4348, 0.3920 by changing the saturation by 10% instead.


 30.0487, 0.4348,
0.3920


 30.0487, 0.4348,
0.3920


302.1314, 0.3698,
0.3619


 19.8756, 0.4517,
0.3983


 59.7392, 0.4105,
0.3818


 12.3046, 0.4734,
0.4053


 80.0253, 0.4016,
0.3777


 6.9515, 0.5017,
0.4121


 104.4512, 0.3941,
0.3741

 3.4318, 0.5516,
0.4256

 133.4013, 0.3878,
0.3710

 1.3611, 0.5899,
0.4101

 167.2600, 0.3823,
0.3683

 0.1878, 0.7647,
0.2353

206.4116, 0.3776,

 0.0000, 0.0000,

0.3659

0.0000

251.2406, 0.3735,
0.3638

■ 30.0487, 0.4348,
0.3920

■ 30.0487, 0.4348,
0.3920

■ 26.8551, 0.4645,
0.4002

■ 33.6441, 0.4067,
0.3815

■ 24.0425, 0.4944,
0.4049

■ 37.6520, 0.3810,
0.3698

■ 21.5943, 0.5225,
0.4048

■ 42.0883, 0.3582,
0.3577

■ 19.4902, 0.5467,
0.3994

■ 46.9665, 0.3381,
0.3459

■ 18.5712, 0.5576,
0.3955

■ 52.2994, 0.3207,
0.3345

■ 58.0993, 0.3056,
0.3239

■ 64.3779, 0.2926,
0.3140

■ 71.1465, 0.2813,
0.3050

■ 77.7957, 0.2766,
0.3063

Harmonies

Analogous

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



30.0487, 0.4327, 0.3442



30.0487, 0.4348, 0.3920



30.0487, 0.4019, 0.4308

Triad

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



30.0487, 0.4348, 0.3920



30.0487, 0.2346, 0.3577



30.0487, 0.2696, 0.2358

Complementary

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



30.0487, 0.4348, 0.3920



27.2370, 0.2276, 0.2522

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.



30.0487, 0.2246, 0.2320



30.0487, 0.4348, 0.3920



30.0487, 0.2058, 0.2947

Square

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



30.0487, 0.4348, 0.3920



30.0487, 0.2855, 0.4174



30.0487, 0.2027, 0.2510



30.0487, 0.3314, 0.2592

Rectangle

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



30.0487, 0.4348, 0.3920



30.0487, 0.3667, 0.4438



30.0487, 0.2027, 0.2510



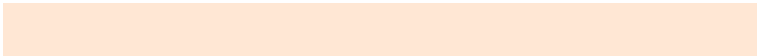
30.0487, 0.2523, 0.2322

Sweetspot

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



30.0502, 0.4348, 0.3920



83.1028, 0.3422, 0.3484



20.8915, 0.3797, 0.2503



17.3950, 0.3462, 0.3508



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.



30.0502, 0.4348, 0.3920



47.6126, 0.4704, 0.4015



48.7463, 0.3958, 0.4521



10.7984, 0.3278, 0.3393



12.0998, 0.5552, 0.3974



0.6600, 0.5174, 0.4274

Inverse Universe

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



27.2370, 0.2276, 0.2522



41.9500, 0.2117, 0.2318



14.2815, 0.2095, 0.1653



10.6549, 0.2984, 0.3185



9.7453, 0.1829, 0.1783



0.5568, 0.1931, 0.2152

Previews

White Background



This preview shows how the Yxy color 30.0487, 0.4348, 0.3920 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 30.0487, 0.4348, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

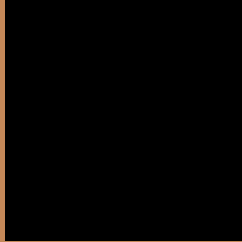
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0487, 0.4348, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 30.0487, 0.4348, 0.3920.



This preview shows how white text looks on a background with the Yxy color 30.0487, 0.4348, 0.3920.

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

30.0487, 0.4348, 0.3920

Protanopia

30.0717, 0.3833, 0.4143

Deuteranopia

30.2781, 0.4147, 0.4072



Tritanopia

30.1087, 0.3843, 0.3173

Trichromacy



Original Color

30.0487, 0.4348, 0.3920

Protanomaly

29.8158, 0.4022, 0.4059

Deuteranomaly

30.0091, 0.4227, 0.4015

Tritanomaly

30.0007, 0.4050, 0.3452

Monochromacy



Original Color

30.0487, 0.4348, 0.3920

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.4522, 0.3542, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0487, 0.4348, 0.3920 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, 136, 88)` looks like.

```
.text, #text, p{  
    color:rgb(196, 136, 88)  
}
```

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, 136, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 136, 88) }
```

Border

The CSS property to change the border of an element to Yxy 30.0487, 0.4348, 0.3920 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, 136, 88) }
```

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

```
.border{ border-color:rgb(196, 136, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 136, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 136, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 136, 88);  
box-shadow:4px 4px 4px 4px rgb(196, 136,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0487, 0.4348, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 136, 88) }
```

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

```
.background{ background-color: rgb(196,  
136, 88) }
```

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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