

Converting Colors

$Yxy(38.6874, 0.4587, 0.4498)$

Have a look what the booklet for
Yxy(38.6874, 0.4587, 0.4498)
contains.

Yxy(38.6874, 0.4587, 0.4498)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6874, 0.4587, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	D29F2D
RGB	210, 159, 45
RGB Percent	82%, 62%, 18%
CMY	0.1764, 0.3765, 0.8235
CMYK	0.00, 0.24, 0.79, 0.18
HSL	41°, 65%, 50%
HSV	41°, 79%, 82%
XYZ	39.4529, 38.6874, 7.8699
YIQ	161.2530, 66.9900, -24.6420

Conversions

Conversions Part 2

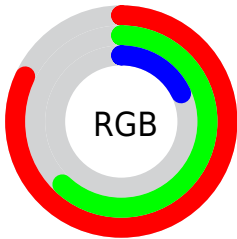
Format	Color
RYB	119, 210, 45
Decimal	13803309
CIELab	68.52, 8.65, 62.42
CIElCh	69, 63.017, 82.111
Yxy	38.6874, 0.4587, 0.4498
Android (android.graphics.Color)	4291993389 (0xFFD29F2D)
YUV	161.2530, -57.3127, 42.7511
Hunter-Lab	62.1992, 4.3738, 36.0376

Details

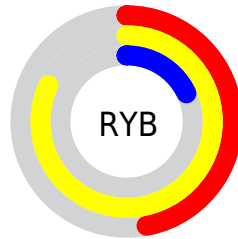
The Yxy color **38.6874, 0.4587, 0.4498** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **13.5791, 0.1814, 0.1457**, and the grayscale version is **36.0144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7686, 0.4233, 0.4386**, and **17.3044, 0.4793, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **36.3912, 0.4738, 0.4530**, and if you desaturate by 10%, it is **41.1851, 0.4409, 0.4418**.

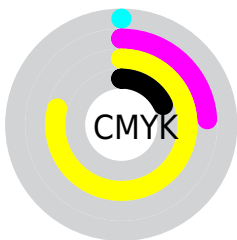
Distribution



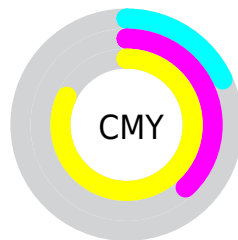
- Red (82%)
- Green (62%)
- Blue (18%)



- Red (47%)
- Yellow (82%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (79%)
- Black (18%)





- Cyan (18%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6874, 0.4587, 0.4498 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 38.6874, 0.4587, 0.4498 by changing the saturation by 10% instead.


 38.6874, 0.4587,
0.4498


 38.6874, 0.4587,
0.4498

340.5596, 0.3895,
0.3959

 26.5166, 0.4727,
0.4593


 73.1605, 0.4356,
0.4328


 17.2105, 0.4883,
0.4686


 96.2317, 0.4262,
0.4256


 10.3847, 0.5078,
0.4793


 123.7051, 0.4180,
0.4192

 5.6548, 0.5204,
0.4796

 155.9651, 0.4108,
0.4134

 2.6363, 0.5296,
0.4704

 193.3962, 0.4045,
0.4083

 0.9450, 0.5462,
0.4538

 236.3827, 0.3989,

 0.0000, 1.0000,

0.4037

0.0000

285.3091, 0.3939,
0.3996

■ 0.0000, 0.0000,
0.0000

■ 38.6874, 0.4587,
0.4498

■ 38.6874, 0.4587,
0.4498

■ 36.3912, 0.4738,
0.4530

■ 41.1851, 0.4409,
0.4418

■ 34.2727, 0.4858,
0.4515

■ 43.8909, 0.4214,
0.4296

■ 33.9818, 0.4875,
0.4511

■ 46.8172, 0.4011,
0.4145

■ 49.9737, 0.3808,
0.3974

■ 53.3689, 0.3613,
0.3794

■ 57.0111, 0.3429,
0.3613

■ 60.9077, 0.3260,
0.3436

■ 65.0660, 0.3106,
0.3266

■ 69.4926, 0.2968,
0.3108

Harmonies

Analogous

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



38.6874, 0.4953, 0.3849



38.6874, 0.4587, 0.4498



38.6874, 0.3862, 0.4972

Triad

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



38.6874, 0.4587, 0.4498



38.6874, 0.1719, 0.3054



38.6874, 0.3032, 0.2173

Complementary

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



38.6874, 0.4587, 0.4498



13.5791, 0.1814, 0.1457

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.



38.6874, 0.2234, 0.1945



38.6874, 0.4587, 0.4498



38.6874, 0.1576, 0.2322

Square

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



38.6874, 0.4587, 0.4498



38.6874, 0.2210, 0.4086



38.6874, 0.1749, 0.1977



38.6874, 0.3997, 0.2616

Rectangle

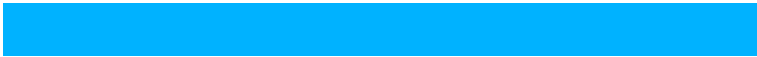
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6874, 0.4587, 0.4498



38.6874, 0.3287, 0.5006



38.6874, 0.1749, 0.1977



38.6874, 0.2735, 0.2070

Sweetspot

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



38.6893, 0.4587, 0.4498



85.1835, 0.3532, 0.3716



16.4479, 0.5022, 0.2782



17.8045, 0.3599, 0.3781



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.



38.6893, 0.4587, 0.4498



54.3023, 0.4818, 0.4524



55.9635, 0.3869, 0.5120



13.1552, 0.3274, 0.3450



20.9114, 0.4862, 0.4521



1.3067, 0.4711, 0.4642

Inverse Universe

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



13.5791, 0.1814, 0.1457



14.5357, 0.1648, 0.1096



8.0363, 0.1818, 0.0943



12.0054, 0.2982, 0.3125



5.2968, 0.1620, 0.1031



0.4368, 0.1724, 0.1405

Previews

White Background



This preview shows how the Yxy color 38.6874, 0.4587, 0.4498 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 38.6874, 0.4587, 0.4498 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 38.6874, 0.4587, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 38.6874, 0.4587, 0.4498.



This preview shows how white text looks on a background with the Yxy color 38.6874, 0.4587, 0.4498.

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

38.6874, 0.4587, 0.4498

Protanopia

38.9019, 0.4273, 0.4716

Deuteranopia

38.6874, 0.4587, 0.4498



Tritanopia

38.4696, 0.3724, 0.3145

Trichromacy



Original Color

38.6874, 0.4587, 0.4498

Protanomaly

38.8433, 0.4386, 0.4641

Deuteranomaly

38.6874, 0.4587, 0.4498

Tritanomaly

38.0606, 0.4118, 0.3711

Monochromacy



Original Color

38.6874, 0.4587, 0.4498

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.0572, 0.3703, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6874, 0.4587, 0.4498 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(210, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(210, 159, 45)  
}
```

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(210, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 159, 45) }
```

Border

The CSS property to change the border of an element to Yxy 38.6874, 0.4587, 0.4498 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(210, 159, 45) }
```

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

```
.border{ border-color:rgb(210, 159, 45) }
```

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

Here you see how a box with a 4 pixel rgb(210, 159, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(210, 159,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6874, 0.4587, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 159, 45) }
```

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

```
.background{ background-color: rgb(210,  
159, 45) }
```

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