

Converting Colors

$Y_{xy}(36.8470, 0.4552, 0.4538)$

Have a look what the booklet for
Yxy(36.8470, 0.4552, 0.4538)
contains.

Yxy(36.9776, 0.4555, 0.4540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9776, 0.4555, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	CB9D2A
RGB	203, 157, 42
RGB Percent	80%, 62%, 16%
CMY	0.2040, 0.3843, 0.8353
CMYK	0.00, 0.23, 0.79, 0.20
HSL	43°, 66%, 48%
HSV	43°, 79%, 80%
XYZ	37.0998, 36.9776, 7.3711
YIQ	157.6440, 64.3310, -26.0130

Conversions

Conversions Part 2

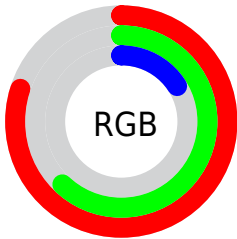
Format	Color
R _Y B	106, 203, 42
Decimal	13344042
CIE Lab	67.26, 6.53, 62.04
CIE LCh	67, 62.383, 83.991
Yxy	36.9776, 0.4555, 0.4540
Android (android.graphics.Color)	4291534122 (0xFFC9B9D2A)
YUV	157.6440, -57.0125, 39.7772
Hunter-Lab	60.8092, 2.4869, 35.3795

Details

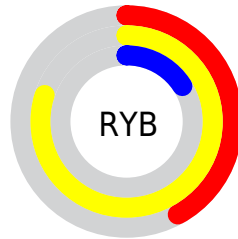
The Yxy color **36.9776, 0.4555, 0.4540** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **11.7755, 0.1791, 0.1386**, and the grayscale version is **34.2636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7116, 0.4263, 0.4392**, and **16.2374, 0.4739, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **34.9539, 0.4693, 0.4574**, and if you desaturate by 10%, it is **39.1715, 0.4389, 0.4458**.

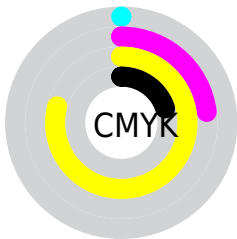
Distribution



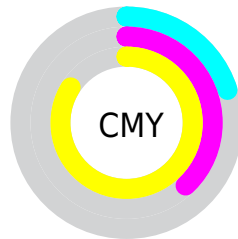
- Red (80%)
- Green (62%)
- Blue (16%)



- Red (42%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (23%)
- Yellow (79%)
- Black (20%)




- Cyan (20%)
- Magenta (38%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9776, 0.4555, 0.4540 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 36.9776, 0.4555, 0.4540 by changing the saturation by 10% instead.


 36.9776, 0.4555,
0.4540


 36.9776, 0.4555,
0.4540


333.2135, 0.3876,
0.3973


 25.1901, 0.4692,
0.4642


 70.5383, 0.4328,
0.4359


 16.2188, 0.4841,
0.4745


 93.0804, 0.4236,
0.4283

 9.6791, 0.5044,
0.4879


 119.9761, 0.4156,
0.4215

 5.1867, 0.5131,
0.4869

 151.6099, 0.4085,
0.4155

 2.3572, 0.5207,
0.4793

 188.3662, 0.4023,
0.4101

 0.8038, 0.5353,
0.4647

 230.6292, 0.3968,

 0.0000, 0.0000,

0.4054

0.0000

278.7836, 0.3920,
0.4011

■ 36.9776, 0.4555,
0.4540

■ 36.9776, 0.4555,
0.4540

■ 34.9539, 0.4693,
0.4574

■ 39.1715, 0.4389,
0.4458

■ 33.0768, 0.4804,
0.4563

■ 41.5412, 0.4204,
0.4335

■ 32.9520, 0.4811,
0.4562

■ 44.0980, 0.4009,
0.4181

■ 46.8505, 0.3812,
0.4007

■ 49.8063, 0.3621,
0.3823

■ 52.9726, 0.3440,
0.3636

■ 56.3561, 0.3271,
0.3453

■ 59.9631, 0.3117,
0.3278

■ 63.7995, 0.2978,
0.3114

Harmonies

Analogous

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



36.9776, 0.4953, 0.3892



36.9776, 0.4555, 0.4540



36.9776, 0.3811, 0.4996

Triad

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



36.9776, 0.4555, 0.4540



36.9776, 0.1694, 0.2994



36.9776, 0.3090, 0.2190

Complementary

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



36.9776, 0.4555, 0.4540



11.7755, 0.1791, 0.1386

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.



36.9776, 0.2272, 0.1947



36.9776, 0.4555, 0.4540



36.9776, 0.1572, 0.2285

Square

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



36.9776, 0.4555, 0.4540



36.9776, 0.2165, 0.4025



36.9776, 0.1764, 0.1962



36.9776, 0.4059, 0.2647

Rectangle

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



36.9776, 0.4555, 0.4540



36.9776, 0.3231, 0.5001



36.9776, 0.1764, 0.1962



36.9776, 0.2787, 0.2083

Sweetspot

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



36.9794, 0.4555, 0.4540



86.0191, 0.3529, 0.3729



15.0922, 0.5094, 0.2815



18.0068, 0.3595, 0.3797



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.



36.9794, 0.4555, 0.4540



56.3343, 0.4771, 0.4568



51.5041, 0.3847, 0.5144



12.5343, 0.3273, 0.3455



21.1366, 0.4801, 0.4570



1.2158, 0.4656, 0.4685

Inverse Universe

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



11.7755, 0.1791, 0.1386



13.3263, 0.1625, 0.1020



7.4294, 0.1827, 0.0940



11.3570, 0.2983, 0.3120



4.8033, 0.1605, 0.0977



0.3791, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 36.9776, 0.4555, 0.4540 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 36.9776, 0.4555, 0.4540 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 36.9776, 0.4555, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 36.9776, 0.4555, 0.4540.



This preview shows how white text looks on a background with the Yxy color 36.9776, 0.4555, 0.4540.

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

36.9776, 0.4555, 0.4540

Protanopia

36.9231, 0.4285, 0.4724

Deuteranopia

37.0732, 0.4590, 0.4505



Tritanopia

36.7280, 0.3680, 0.3141

Trichromacy



Original Color

36.9776, 0.4555, 0.4540

Protanomaly

36.7405, 0.4391, 0.4653

Deuteranomaly

36.9305, 0.4581, 0.4511

Tritanomaly

36.3390, 0.4078, 0.3724

Monochromacy



Original Color

36.9776, 0.4555, 0.4540

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.7133, 0.3688, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9776, 0.4555, 0.4540 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, 157, 42)` looks like.

```
.text, #text, p{  
    color:rgb(203, 157, 42)  
}
```

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, 157, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 157, 42) }
```

Border

The CSS property to change the border of an element to Yxy 36.9776, 0.4555, 0.4540 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, 157, 42) }
```

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

```
.border{ border-color:rgb(203, 157, 42) }
```

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

Here you see how a box with a 4 pixel rgb(203, 157, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 157, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 157, 42);  
box-shadow:4px 4px 4px 4px rgb(203, 157,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9776, 0.4555, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 157, 42) }
```

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

```
.background{ background-color: rgb(203,  
157, 42) }
```

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