

Converting Colors

$Yxy(36.8060, 0.4308, 0.4048)$

Have a look what the booklet for
Yxy(36.8060, 0.4308, 0.4048)
contains.

Yxy(36.9477, 0.4308, 0.4051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.9477, 0.4308, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	D0995B
RGB	208, 153, 91
RGB Percent	82%, 60%, 36%
CMY	0.1843, 0.4000, 0.6430
CMYK	0.00, 0.26, 0.56, 0.18
HSL	32°, 55%, 59%
HSV	32°, 56%, 82%
XYZ	39.2917, 36.9477, 14.9670
YIQ	162.3770, 52.6820, -7.6220

Conversions

Conversions Part 2

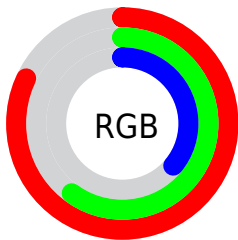
Format	Color
RYB	195, 208, 91
Decimal	13670747
CIELab	67.24, 13.69, 40.30
CIELCh	67, 42.556, 71.240
Yxy	36.9477, 0.4308, 0.4051
Android (android.graphics.Color)	4291860827 (0xFFD0995B)
YUV	162.3770, -35.1889, 40.0114
Hunter-Lab	60.7846, 9.0109, 27.9503

Details

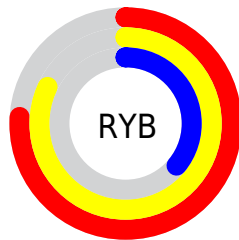
The Yxy color **36.9477, 0.4308, 0.4051** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.3454, 0.2223, 0.2339**, and the grayscale version is **36.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8386, 0.3994, 0.3959**, and **16.1539, 0.4637, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **33.5675, 0.4570, 0.4149**, and if you desaturate by 10%, it is **40.6934, 0.4053, 0.3928**.

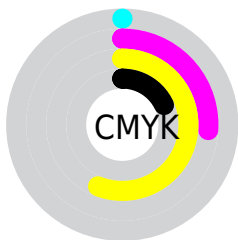
Distribution



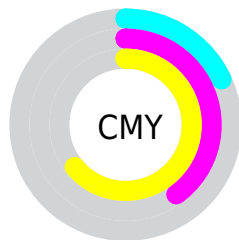
- Red (82%)
- Green (60%)
- Blue (36%)



- Red (76%)
- Yellow (82%)
- Blue (36%)



- Cyan (0%)
- Magenta (26%)
- Yellow (56%)
- Black (18%)



- Cyan (18%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9477, 0.4308, 0.4051 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 36.9477, 0.4308, 0.4051 by changing the saturation by 10% instead.


 36.9477, 0.4308,
0.4051


 36.9477, 0.4308,
0.4051

333.0840, 0.3706,
0.3692


 25.1670, 0.4455,
0.4127


 70.4923, 0.4090,
0.3929


 16.2015, 0.4638,
0.4213


 93.0251, 0.4007,
0.3881

 9.6669, 0.4868,
0.4305


 119.9106, 0.3938,
0.3838

 5.1786, 0.5189,
0.4414

 151.5333, 0.3878,
0.3802

 2.3525, 0.5555,
0.4445

188.2776, 0.3826,
0.3769

 0.8013, 0.5834,
0.4166

230.5279, 0.3781,

 0.0000, 1.0000,

0.3740

0.0000

278.6686, 0.3741,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 36.9477, 0.4308,
0.4051

■ 36.9477, 0.4308,
0.4051

■ 33.5675, 0.4570,
0.4149

■ 40.6934, 0.4053,
0.3928

■ 30.5326, 0.4827,
0.4208

■ 44.8126, 0.3813,
0.3790

■ 27.8286, 0.5062,
0.4218

■ 49.3198, 0.3594,
0.3648

■ 25.4362, 0.5261,
0.4174

■ 54.2269, 0.3398,
0.3507

■ 24.6047, 0.5331,
0.4149

■ 59.5450, 0.3225,
0.3371

■ 65.2850, 0.3072,
0.3243

■ 71.4571, 0.2938,
0.3124

■ 77.9133, 0.2835,
0.3038

■ 83.5487, 0.2841,
0.3143

Harmonies

Analogous

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



36.9477, 0.4394, 0.3578



36.9477, 0.4308, 0.4051



36.9477, 0.3896, 0.4397

Triad

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



36.9477, 0.4308, 0.4051



36.9477, 0.2227, 0.3396



36.9477, 0.2848, 0.2391

Complementary

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



36.9477, 0.4308, 0.4051



27.3454, 0.2223, 0.2339

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.



36.9477, 0.2335, 0.2294



36.9477, 0.4308, 0.4051



36.9477, 0.2007, 0.2794

Square

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



36.9477, 0.4308, 0.4051



36.9477, 0.2691, 0.4047



36.9477, 0.2046, 0.2419



36.9477, 0.3498, 0.2674

Rectangle

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



36.9477, 0.4308, 0.4051



36.9477, 0.3510, 0.4467



36.9477, 0.2046, 0.2419



36.9477, 0.2655, 0.2336

Sweetspot

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



36.9495, 0.4308, 0.4051



85.1945, 0.3416, 0.3520



23.0222, 0.3961, 0.2601



17.8882, 0.3455, 0.3549



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.



36.9495, 0.4308, 0.4051



52.4359, 0.4611, 0.4161



58.9917, 0.3913, 0.4624



12.8303, 0.3277, 0.3413



15.5315, 0.5310, 0.4166



1.0266, 0.5051, 0.4372

Inverse Universe

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



27.3454, 0.2223, 0.2339



35.8331, 0.2056, 0.2101



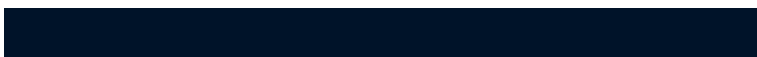
14.3693, 0.2058, 0.1506



12.3211, 0.2982, 0.3164



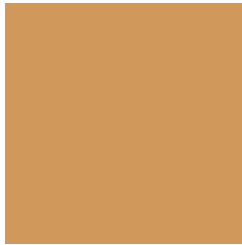
8.4486, 0.1748, 0.1491



0.6306, 0.1844, 0.1838

Previews

White Background



This preview shows how the Yxy color 36.9477, 0.4308, 0.4051 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 36.9477, 0.4308, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

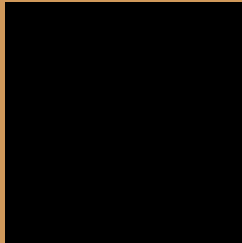
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9477, 0.4308, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 36.9477, 0.4308, 0.4051.



This preview shows how white text looks on a background with the Yxy color 36.9477, 0.4308, 0.4051.

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

36.9477, 0.4308, 0.4051

Protanopia

37.0804, 0.3908, 0.4241

Deuteranopia

36.7945, 0.4213, 0.4128



Tritanopia

36.7972, 0.3736, 0.3155

Trichromacy



Original Color

36.9477, 0.4308, 0.4051

Protanomaly

36.8969, 0.4046, 0.4167

Deuteranomaly

36.8774, 0.4251, 0.4104

Tritanomaly

36.6946, 0.3962, 0.3494

Monochromacy



Original Color

36.9477, 0.4308, 0.4051

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1576, 0.3543, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9477, 0.4308, 0.4051 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(208, 153, 91)` looks like.

```
.text, #text, p{  
    color:rgb(208, 153, 91)  
}
```

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(208, 153, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 153, 91) }
```

Border

The CSS property to change the border of an element to Yxy 36.9477, 0.4308, 0.4051 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(208, 153, 91) }
```

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

```
.border{ border-color:rgb(208, 153, 91) }
```

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

Here you see how a box with a 4 pixel rgb(208, 153, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 153, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 153, 91);  
box-shadow:4px 4px 4px 4px rgb(208, 153,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9477, 0.4308, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 153, 91) }
```

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

```
.background{ background-color: rgb(208,  
153, 91) }
```

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