

Converting Colors

$Yxy(36.8446, 0.4399, 0.4519)$

Have a look what the booklet for
Yxy(36.8446, 0.4399, 0.4519)
contains.

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Color

Yxy(36.8079, 0.4400, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	C49F37
RGB	196, 159, 55
RGB Percent	77%, 62%, 22%
CMY	0.2313, 0.3765, 0.7844
CMYK	0.00, 0.19, 0.72, 0.23
HSL	44°, 56%, 49%
HSV	44°, 72%, 77%
XYZ	35.8545, 36.8079, 8.8251
YIQ	158.2070, 55.4360, -24.5000

Conversions

Conversions Part 2

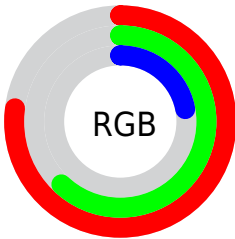
Format	Color
RYB	105, 196, 55
Decimal	12885815
CIELab	67.13, 2.94, 56.78
CIELCh	67, 56.855, 87.031
Yxy	36.8079, 0.4400, 0.4517
Android (android.graphics.Color)	4291075895 (0xFFC49F37)
YUV	158.2070, -50.8811, 33.1445
Hunter-Lab	60.6695, -0.6816, 33.8442

Details

The Yxy color **36.8079, 0.4400, 0.4517** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **12.4483, 0.1882, 0.1525**, and the grayscale version is **34.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9312, 0.4187, 0.4322**, and **16.1284, 0.4626, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **34.9253, 0.4550, 0.4591**, and if you desaturate by 10%, it is **38.8424, 0.4228, 0.4400**.

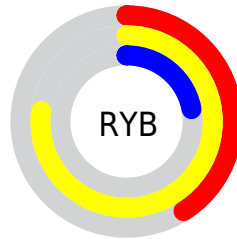
Distribution



Red (77%)

Green (62%)

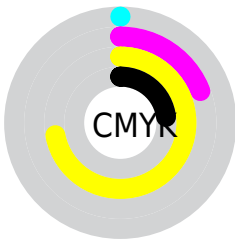
Blue (22%)



Red (41%)

Yellow (77%)

Blue (22%)

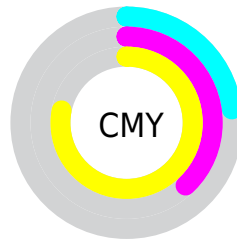


Cyan (0%)

Magenta (19%)

Yellow (72%)

Black (23%)



Cyan (23%)

Magenta (38%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8079, 0.4400, 0.4517 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 36.8079, 0.4400, 0.4517 by changing the saturation by 10% instead.


 36.8079, 0.4400,
0.4517

 36.8079, 0.4400,
0.4517


332.4781, 0.3787,
0.3937

 25.0588, 0.4529,
0.4633


 70.2772, 0.4192,
0.4324


 16.1209, 0.4673,
0.4760


 92.7663, 0.4108,
0.4245

 9.6097, 0.4841,
0.4901


 119.6040, 0.4036,
0.4176

 5.1410, 0.4991,
0.5009

 151.1750, 0.3973,
0.4116

 2.3302, 0.5026,
0.4974

 187.8634, 0.3918,
0.4063

 0.7896, 0.5102,
0.4898

 230.0538, 0.3869,

 0.0000, 0.0000,

0.4016

0.0000

278.1306, 0.3825,
0.3974

■ 36.8079, 0.4400,
0.4517

■ 36.8079, 0.4400,
0.4517

■ 34.9253, 0.4550,
0.4591

■ 38.8424, 0.4228,
0.4400

■ 33.1787, 0.4671,
0.4617

■ 41.0320, 0.4043,
0.4249

■ 31.8591, 0.4750,
0.4610

■ 43.3864, 0.3852,
0.4075

■ 45.9126, 0.3664,
0.3888

■ 48.6170, 0.3483,
0.3697

■ 51.5056, 0.3313,
0.3507

■ 54.5840, 0.3156,
0.3325

■ 57.8576, 0.3013,
0.3152

■ 61.3314, 0.2884,
0.2991

Harmonies

Analogous

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



36.8079, 0.4794, 0.3934



36.8079, 0.4400, 0.4517



36.8079, 0.3697, 0.4869

Triad

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



36.8079, 0.4400, 0.4517



36.8079, 0.1774, 0.2948



36.8079, 0.3186, 0.2304

Complementary

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



36.8079, 0.4400, 0.4517



12.4483, 0.1882, 0.1525

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.



36.8079, 0.2405, 0.2053



36.8079, 0.4400, 0.4517



36.8079, 0.1685, 0.2324

Square

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



36.8079, 0.4400, 0.4517



36.8079, 0.2187, 0.3862



36.8079, 0.1896, 0.2045



36.8079, 0.4065, 0.2751

Rectangle

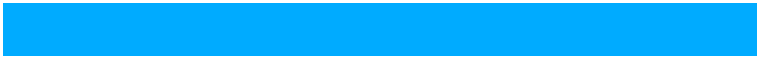
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.8079, 0.4400, 0.4517



36.8079, 0.3157, 0.4809



36.8079, 0.1896, 0.2045



36.8079, 0.2902, 0.2196

Sweetspot

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



36.8097, 0.4400, 0.4517



87.8634, 0.3490, 0.3704



15.2498, 0.4907, 0.2868



18.5113, 0.3539, 0.3757



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.



36.8097, 0.4400, 0.4517



61.5245, 0.4619, 0.4611



47.5582, 0.3781, 0.5058



11.2966, 0.3271, 0.3459



20.6143, 0.4741, 0.4618



0.9978, 0.4593, 0.4735

Inverse Universe

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



12.4483, 0.1882, 0.1525



15.4617, 0.1687, 0.1149



8.7844, 0.1986, 0.1137



10.1682, 0.2984, 0.3115



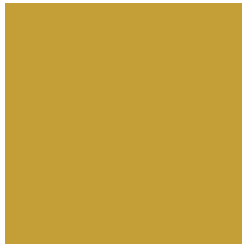
4.2279, 0.1592, 0.0930



0.2995, 0.1719, 0.1387

Previews

White Background



This preview shows how the Yxy color 36.8079, 0.4400, 0.4517 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 36.8079, 0.4400, 0.4517 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 36.8079, 0.4400, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 36.8079, 0.4400, 0.4517.



This preview shows how white text looks on a background with the Yxy color 36.8079, 0.4400, 0.4517.

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

36.8079, 0.4400, 0.4517

Protanopia

36.9037, 0.4215, 0.4641

Deuteranopia

36.5656, 0.4513, 0.4420



Tritanopia

36.8703, 0.3588, 0.3151

Trichromacy



Original Color

36.8079, 0.4400, 0.4517

Protanomaly

36.8176, 0.4284, 0.4589

Deuteranomaly

36.4800, 0.4473, 0.4448

Tritanomaly

36.6051, 0.3938, 0.3697

Monochromacy



Original Color

36.8079, 0.4400, 0.4517

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6049, 0.3619, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8079, 0.4400, 0.4517 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, 159, 55)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 55)  
}
```

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, 159, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 55) }
```

Border

The CSS property to change the border of an element to Yxy 36.8079, 0.4400, 0.4517 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, 159, 55) }
```

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

```
.border{ border-color:rgb(196, 159, 55) }
```

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

Here you see how a box with a 4 pixel rgb(196, 159, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 55);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
55) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.8079, 0.4400, 0.4517$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 55) }
```

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

```
.background{ background-color: rgb(196,  
159, 55) }
```

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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