

Converting Colors

$Y_{xy}(34.6239, 0.4740, 0.4406)$

Have a look what the booklet for
Yxy(34.6239, 0.4740, 0.4406)
contains.

Yxy(34.7223, 0.4742, 0.4403)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.7223, 0.4742, 0.4403)

Conversions

Conversions Part 1

Format	Color
Hex	D29328
RGB	210, 147, 40
RGB Percent	82%, 58%, 16%
CMY	0.1765, 0.4235, 0.8429
CMYK	0.00, 0.30, 0.81, 0.18
HSL	38°, 68%, 49%
HSV	38°, 81%, 82%
XYZ	37.3957, 34.7223, 6.7426
YIQ	153.6390, 71.8950, -19.9210

Conversions

Conversions Part 2

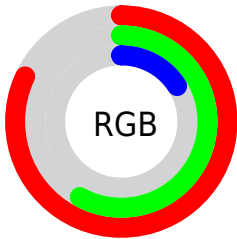
Format	Color
R _Y B	140, 210, 40
Decimal	13800232
CIE Lab	65.53, 14.95, 61.45
CIE LCh	66, 63.239, 76.327
Yxy	34.7223, 0.4742, 0.4403
Android (android.graphics.Color)	4291990312 (0xFFD29328)
YUV	153.6390, -56.0240, 49.4286
Hunter-Lab	58.9256, 10.1607, 34.4637

Details

The Yxy color **34.7223, 0.4742, 0.4403** 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 **14.8142, 0.1826, 0.1558**, and the grayscale version is **32.3781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8595, 0.4343, 0.4320**, and **15.0334, 0.4971, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **32.2781, 0.4913, 0.4410**, and if you desaturate by 10%, it is **37.4115, 0.4542, 0.4345**.

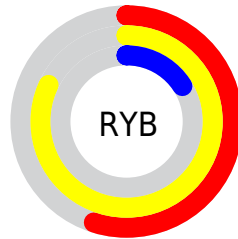
Distribution



Red (82%)

Green (58%)

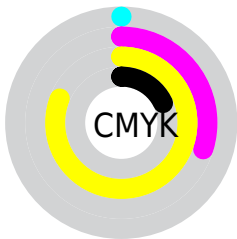
Blue (16%)



Red (55%)

Yellow (82%)

Blue (16%)

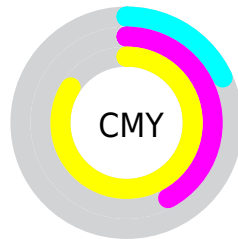


Cyan (0%)

Magenta (30%)

Yellow (81%)

Black (18%)



Cyan (18%)

Magenta (42%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7223, 0.4742, 0.4403 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 34.7223, 0.4742, 0.4403 by changing the saturation by 10% instead.


 34.7223, 0.4742,
0.4403


 34.7223, 0.4742,
0.4403


323.3409, 0.3957,
0.3921


 23.4490, 0.4906,
0.4478


 67.0553, 0.4476,
0.4257

 14.9254, 0.5089,
0.4542

 88.8839, 0.4369,
0.4193


 8.7671, 0.5361,
0.4639


 114.9997, 0.4276,
0.4135

 4.5896, 0.5473,
0.4527

 145.7871, 0.4195,
0.4082

 2.0085, 0.5652,
0.4348

 181.6306, 0.4124,
0.4035

 0.6124, 0.6084,
0.3916

 222.9144, 0.4062,

 0.0000, 0.0000,

0.3993

0.0000

270.0230, 0.4006,
0.3955

■ 34.7223, 0.4742,
0.4403

■ 34.7223, 0.4742,
0.4403

■ 32.2781, 0.4913,
0.4410

■ 37.4115, 0.4542,
0.4345

■ 30.2476, 0.5044,
0.4377

■ 40.3544, 0.4325,
0.4244

■ 43.5651, 0.4101,
0.4110

■ 47.0547, 0.3881,
0.3956

■ 50.8333, 0.3672,
0.3791

■ 54.9103, 0.3477,
0.3624

■ 59.2946, 0.3300,
0.3460

■ 63.9945, 0.3141,
0.3304

■ 69.0179, 0.2999,
0.3157

Harmonies

Analogous

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



34.7223, 0.5030, 0.3724



34.7223, 0.4742, 0.4403



34.7223, 0.4040, 0.4967

Triad

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



34.7223, 0.4742, 0.4403



34.7223, 0.1739, 0.3231



34.7223, 0.2844, 0.2073

Complementary

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



34.7223, 0.4742, 0.4403



14.8142, 0.1826, 0.1558

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.



34.7223, 0.2080, 0.1888



34.7223, 0.4742, 0.4403



34.7223, 0.1530, 0.2396

Square

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



34.7223, 0.4742, 0.4403



34.7223, 0.2311, 0.4327



34.7223, 0.1647, 0.1974



34.7223, 0.3838, 0.2490

Rectangle

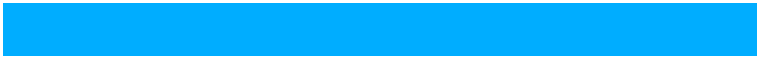
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.7223, 0.4742, 0.4403



34.7223, 0.3458, 0.5102



34.7223, 0.1647, 0.1974



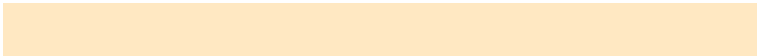
34.7223, 0.2555, 0.1983

Sweetspot

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



34.7241, 0.4742, 0.4403



83.0371, 0.3541, 0.3679



16.2464, 0.4892, 0.2658



17.2861, 0.3611, 0.3740



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.



34.7241, 0.4742, 0.4403



47.5838, 0.5015, 0.4383



57.2156, 0.3970, 0.5080



13.0303, 0.3275, 0.3436



18.6489, 0.5028, 0.4390



1.1919, 0.4836, 0.4542

Inverse Universe

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



14.8142, 0.1826, 0.1558



16.2563, 0.1671, 0.1200



7.1308, 0.1717, 0.0859



12.1252, 0.2982, 0.3140



6.3253, 0.1664, 0.1191



0.5038, 0.1768, 0.1565

Previews

White Background



This preview shows how the Yxy color 34.7223, 0.4742, 0.4403 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 34.7223, 0.4742, 0.4403 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 34.7223, 0.4742, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 34.7223, 0.4742, 0.4403.



This preview shows how white text looks on a background with the Yxy color 34.7223, 0.4742, 0.4403.

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

34.7223, 0.4742, 0.4403

Protanopia

34.8997, 0.4278, 0.4726

Deuteranopia

34.6907, 0.4620, 0.4514



Tritanopia

34.5968, 0.3896, 0.3169

Trichromacy



Original Color

34.7223, 0.4742, 0.4403

Protanomaly

34.5570, 0.4448, 0.4606

Deuteranomaly

34.7965, 0.4656, 0.4478

Tritanomaly

34.4286, 0.4292, 0.3697

Monochromacy



Original Color

34.7223, 0.4742, 0.4403

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3241, 0.3749, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7223, 0.4742, 0.4403 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, 147, 40)` looks like.

```
.text, #text, p{  
    color:rgb(210, 147, 40)  
}
```

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, 147, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 147, 40) }
```

Border

The CSS property to change the border of an element to Yxy 34.7223, 0.4742, 0.4403 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, 147, 40) }
```

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

```
.border{ border-color:rgb(210, 147, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 147, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 147, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 147, 40);  
box-shadow:4px 4px 4px 4px rgb(210, 147,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7223, 0.4742, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 147, 40) }
```

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

```
.background{ background-color: rgb(210,  
147, 40) }
```

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