

Converting Colors

Yxy(36.6632, 0.4224, 0.5028)

Have a look what the booklet for
Yxy(36.6632, 0.4224, 0.5028)
contains.

Yxy(36.6632, 0.4224, 0.5028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6632, 0.4224, 0.5028)

Conversions

Conversions Part 1

Format	Color
Hex	ABA800
RGB	171, 168, 0
RGB Percent	67%, 66%, 0%
CMY	0.3293, 0.3412, 0.9998
CMYK	0.00, 0.02, 1.00, 0.33
HSL	59°, 100%, 34%
HSV	59°, 100%, 67%
XYZ	30.8006, 36.6632, 5.4543
YIQ	149.7450, 55.7160, -51.6120

Conversions

Conversions Part 2

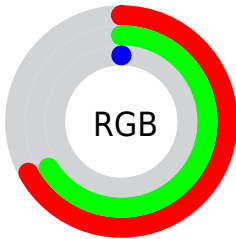
Format	Color
RYB	3, 171, 0
Decimal	11249664
CIELab	67.02, -14.43, 69.42
CIELCh	67, 70.901, 101.740
Yxy	36.6632, 0.4224, 0.5028
Android (android.graphics.Color)	4289439744 (0xFFABA800)
YUV	149.7450, -73.8243, 18.6406
Hunter-Lab	60.5501, -15.1635, 37.0443

Details

The Yxy color **36.6632, 0.4224, 0.5028** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0079, 0.1504, 0.0612**, and the grayscale version is **30.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1201, 0.4086, 0.4749**, and **16.0682, 0.4165, 0.5075** is the 20% darker color. If you saturate the color by 10%, you get **36.6645, 0.4224, 0.5028**, and if you desaturate by 10%, it is **36.8175, 0.4196, 0.4990**.

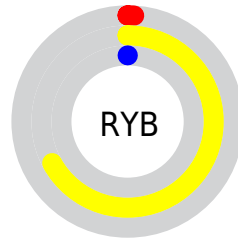
Distribution



Red (67%)

Green (66%)

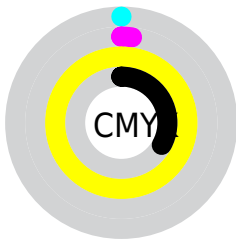
Blue (0%)



Red (1%)

Yellow (67%)

Blue (0%)

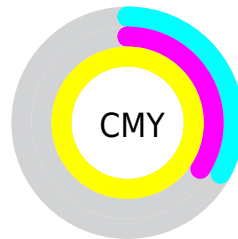


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6632, 0.4224, 0.5028 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 36.6632, 0.4224, 0.5028 by changing the saturation by 10% instead.


 36.6632, 0.4224,
0.5028


 36.6632, 0.4224,
0.5028


331.8501, 0.3753,
0.4187


 24.9468, 0.4291,
0.5197


 70.0545, 0.4086,
0.4746

 16.0374, 0.4344,
0.5383


 92.4982, 0.4023,
0.4632


 9.5507, 0.4387,
0.5613


 119.2864, 0.3966,
0.4532

 5.1021, 0.4271,
0.5729

 150.8037, 0.3914,
0.4445

 2.3073, 0.4082,
0.5918

 187.4342, 0.3867,
0.4368

 0.7776, 0.3322,
0.6678

 229.5626, 0.3825,

 0.0000, 0.0000,

0.4301

0.0000

277.5730, 0.3788,
0.4241

36.6632, 0.4224,
0.5028

36.6632, 0.4224,
0.5028

36.6645, 0.4224,
0.5028

36.8175, 0.4196,
0.4990

37.0054, 0.4147,
0.4918

37.2429, 0.4073,
0.4805

37.5361, 0.3975,
0.4650

37.8907, 0.3855,
0.4461

■ 38.3114, 0.3720,
0.4245

■ 38.8025, 0.3574,
0.4011

■ 39.3679, 0.3423,
0.3769

■ 40.0114, 0.3273,
0.3526

Harmonies

Analogous

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



36.6632, 0.4950, 0.4347



36.6632, 0.4224, 0.5028



36.6632, 0.3282, 0.5278

Triad

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



36.6632, 0.4224, 0.5028



36.6632, 0.1418, 0.2411



36.6632, 0.3731, 0.2340

Complementary

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



36.6632, 0.4224, 0.5028



3.0079, 0.1504, 0.0612

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.



36.6632, 0.2663, 0.1932



36.6632, 0.4224, 0.5028



36.6632, 0.1495, 0.1906

Square

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



36.6632, 0.4224, 0.5028



36.6632, 0.1687, 0.3390



36.6632, 0.1899, 0.1774



36.6632, 0.4745, 0.2933

Rectangle

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



36.6632, 0.4224, 0.5028



36.6632, 0.2643, 0.4943



36.6632, 0.1899, 0.1774



36.6632, 0.3356, 0.2179

Sweetspot

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



36.6649, 0.4224, 0.5028



69.4234, 0.3582, 0.4025



8.6737, 0.6362, 0.3278



15.3986, 0.3643, 0.4122



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.6649, 0.4224, 0.5028



65.6126, 0.4225, 0.5028



31.3692, 0.3416, 0.5669



9.3055, 0.3263, 0.3510



27.6414, 0.4224, 0.5028



0.7764, 0.4214, 0.5036

Inverse Universe

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



3.0079, 0.1504, 0.0612



5.3510, 0.1503, 0.0609



4.6403, 0.1966, 0.0857



7.7790, 0.2985, 0.3060



2.2742, 0.1504, 0.0614



0.0705, 0.1521, 0.0676

Previews

White Background



This preview shows how the Yxy color 36.6632, 0.4224, 0.5028 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 36.6632, 0.4224, 0.5028 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 36.6632, 0.4224, 0.5028

Background



This preview shows how black text looks on a background with the Yxy color 36.6632, 0.4224, 0.5028.

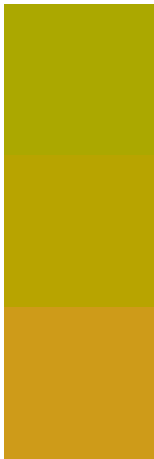


This preview shows how white text looks on a background with the Yxy color 36.6632, 0.4224, 0.5028.

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

36.6632, 0.4224, 0.5028

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

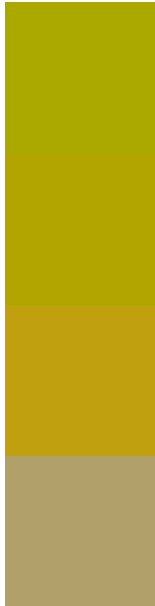
36.6347, 0.4668, 0.4579



Tritanopia

36.5492, 0.3272, 0.3127

Trichromacy



Original Color

36.6632, 0.4224, 0.5028

Protanomaly

36.4940, 0.4337, 0.4939

Deuteranomaly

36.5165, 0.4508, 0.4749

Tritanomaly

35.6681, 0.3804, 0.4040

Monochromacy



Original Color

36.6632, 0.4224, 0.5028

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.2093, 0.3714, 0.4239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6632, 0.4224, 0.5028 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(171, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 168, 0)  
}
```

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(171, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.6632, 0.4224, 0.5028 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(171, 168, 0) }
```

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

```
.border{ border-color:rgb(171, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6632, 0.4224, 0.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 168, 0) }
```

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

```
.background{ background-color: rgb(171,  
168, 0) }
```

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