

Converting Colors

$Yxy(33.4332, 0.4233, 0.4985)$

Have a look what the booklet for
Yxy(33.4332, 0.4233, 0.4985)
contains.

Yxy(33.6186, 0.4231, 0.4987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6186, 0.4231, 0.4987)

Conversions

Conversions Part 1

Format	Color
Hex	A6A10A
RGB	166, 161, 10
RGB Percent	65%, 63%, 4%
CMY	0.3491, 0.3686, 0.9609
CMYK	0.00, 0.03, 0.94, 0.35
HSL	58°, 89%, 34%
HSV	58°, 94%, 65%
XYZ	28.5222, 33.6186, 5.2717
YIQ	145.2810, 51.4510, -45.9010

Conversions

Conversions Part 2

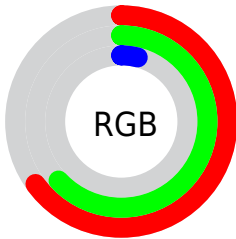
Format	Color
RYB	15, 166, 10
Decimal	10920202
CIELab	64.66, -12.92, 66.17
CIELCh	65, 67.422, 101.047
Yxy	33.6186, 0.4231, 0.4987
Android (android.graphics.Color)	4289110282 (0xFFA6A10A)
YUV	145.2810, -66.6935, 18.1706
Hunter-Lab	57.9815, -13.6602, 35.1965

Details

The Yxy color **33.6186, 0.4231, 0.4987** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1567, 0.1539, 0.0677**, and the grayscale version is **28.6954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1585, 0.4090, 0.4698**, and **14.4669, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **33.4875, 0.4249, 0.5008**, and if you desaturate by 10%, it is **33.8606, 0.4189, 0.4933**.

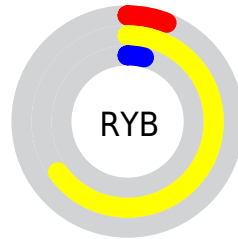
Distribution



Red (65%)

Green (63%)

Blue (4%)



Red (6%)

Yellow (65%)

Blue (4%)

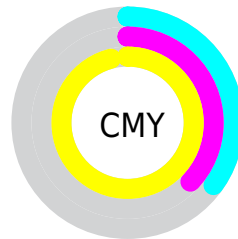


Cyan (0%)

Magenta (3%)

Yellow (94%)

Black (35%)



Cyan (35%)


Magenta (37%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6186, 0.4231, 0.4987 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 33.6186, 0.4231, 0.4987 by changing the saturation by 10% instead.


 33.6186, 0.4231,
0.4987


 33.6186, 0.4231,
0.4987


318.4280, 0.3742,
0.4152

 22.6008, 0.4306,
0.5159


 65.3401, 0.4083,
0.4704


 14.2990, 0.4367,
0.5349


 86.8126, 0.4018,
0.4590


 8.3289, 0.4418,
0.5582

 112.5387, 0.3958,
0.4491

 4.3061, 0.4303,
0.5697

 142.9029, 0.3905,
0.4405

 1.8462, 0.4111,
0.5889

 178.2895, 0.3858,
0.4330

 0.5157, 0.2532,
0.7468

 219.0830, 0.3815,

 0.0000, 0.0000,

0.4263

0.0000

265.6677, 0.3777,
0.4205

33.6186, 0.4231,
0.4987

33.6186, 0.4231,
0.4987

33.4875, 0.4249,
0.5008

33.8606, 0.4189,
0.4933

34.1451, 0.4121,
0.4837

34.4799, 0.4028,
0.4699

34.8705, 0.3913,
0.4524

35.3216, 0.3780,
0.4320

■ 35.8373, 0.3636,
0.4095

■ 36.4213, 0.3485,
0.3858

■ 37.0773, 0.3333,
0.3618

■ 37.8085, 0.3185,
0.3382

Harmonies

Analogous

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



33.6186, 0.4933, 0.4321



33.6186, 0.4231, 0.4987



33.6186, 0.3308, 0.5237

Triad

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



33.6186, 0.4231, 0.4987



33.6186, 0.1447, 0.2447



33.6186, 0.3695, 0.2345

Complementary

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



33.6186, 0.4231, 0.4987



3.1567, 0.1539, 0.0677

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.



33.6186, 0.2652, 0.1947



33.6186, 0.4231, 0.4987



33.6186, 0.1515, 0.1938

Square

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



33.6186, 0.4231, 0.4987



33.6186, 0.1724, 0.3418



33.6186, 0.1907, 0.1798



33.6186, 0.4693, 0.2928

Rectangle

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



33.6186, 0.4231, 0.4987



33.6186, 0.2677, 0.4921



33.6186, 0.1907, 0.1798



33.6186, 0.3328, 0.2188

Sweetspot

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



33.6202, 0.4231, 0.4987



65.6236, 0.3554, 0.3966



8.3562, 0.6241, 0.3276



14.5883, 0.3616, 0.4064



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.6202, 0.4231, 0.4987



60.7311, 0.4250, 0.5007



29.6231, 0.3445, 0.5601



8.7322, 0.3263, 0.3506



25.9885, 0.4249, 0.5009



0.6445, 0.4229, 0.5024

Inverse Universe

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



3.1567, 0.1539, 0.0677



5.1466, 0.1505, 0.0616



4.7976, 0.2035, 0.0927



7.3374, 0.2986, 0.3064



2.2372, 0.1507, 0.0626



0.0660, 0.1540, 0.0743

Previews

White Background



This preview shows how the Yxy color 33.6186, 0.4231, 0.4987 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 33.6186, 0.4231, 0.4987 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 33.6186, 0.4231, 0.4987

Background



This preview shows how black text looks on a background with the Yxy color 33.6186, 0.4231, 0.4987.



This preview shows how white text looks on a background with the Yxy color 33.6186, 0.4231, 0.4987.

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

33.6186, 0.4231, 0.4987

Protanopia

33.4764, 0.4395, 0.4868

Deuteranopia

33.5708, 0.4662, 0.4575



Tritanopia

33.6160, 0.3287, 0.3136

Trichromacy



Original Color

33.6186, 0.4231, 0.4987

Protanomaly

33.3555, 0.4341, 0.4907

Deuteranomaly

33.2721, 0.4509, 0.4723

Tritanomaly

32.9225, 0.3781, 0.3993

Monochromacy



Original Color

33.6186, 0.4231, 0.4987

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7501, 0.3681, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6186, 0.4231, 0.4987 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(166, 161, 10)` looks like.

```
.text, #text, p{  
    color:rgb(166, 161, 10)  
}
```

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(166, 161, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 161, 10) }
```

Border

The CSS property to change the border of an element to Yxy 33.6186, 0.4231, 0.4987 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(166, 161, 10) }
```

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

```
.border{ border-color:rgb(166, 161, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 161, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 161, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 161, 10);  
box-shadow:4px 4px 4px 4px rgb(166, 161,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6186, 0.4231, 0.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 161, 10) }
```

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

```
.background{ background-color: rgb(166,  
161, 10) }
```

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