

Converting Colors

$Yxy(36.5415, 0.3881, 0.4514)$

Have a look what the booklet for
Yxy(36.5415, 0.3881, 0.4514)
contains.

Yxy(36.5415, 0.3881, 0.4514)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5415, 0.3881, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	A8A750
RGB	168, 167, 80
RGB Percent	66%, 65%, 31%
CMY	0.3411, 0.3451, 0.6861
CMYK	0.00, 0.01, 0.52, 0.34
HSL	59°, 35%, 49%
HSV	59°, 52%, 66%
XYZ	31.4173, 36.5415, 12.9927
YIQ	157.3810, 28.5230, -26.8450

Conversions

Conversions Part 2

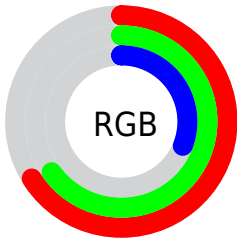
Format	Color
RYB	81, 168, 80
Decimal	11052880
CIELab	66.93, -11.75, 44.52
CIElCh	67, 46.047, 104.787
Yxy	36.5415, 0.3881, 0.4514
Android (android.graphics.Color)	4289242960 (0xFFA8A750)
YUV	157.3810, -38.1488, 9.3129
Hunter-Lab	60.4496, -13.0155, 29.5712

Details

The Yxy color **36.5415, 0.3881, 0.4514** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4251, 0.2145, 0.1678**, and the grayscale version is **34.0659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9160, 0.3755, 0.4280**, and **15.9276, 0.4058, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **36.2546, 0.3994, 0.4696**, and if you desaturate by 10%, it is **36.8939, 0.3750, 0.4303**.

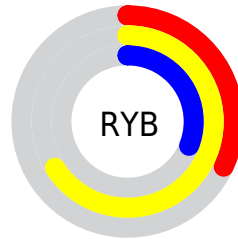
Distribution



Red (66%)

Green (65%)

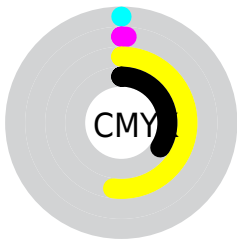
Blue (31%)



Red (32%)

Yellow (66%)

Blue (31%)

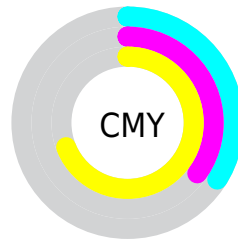


Cyan (0%)

Magenta (1%)

Yellow (52%)

Black (34%)



Cyan (34%)


Magenta (35%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5415, 0.3881, 0.4514 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 36.5415, 0.3881, 0.4514 by changing the saturation by 10% instead.


 36.5415, 0.3881,
0.4514


 36.5415, 0.3881,
0.4514


331.3212, 0.3517,
0.3881


 24.8527, 0.3959,
0.4670


 69.8670, 0.3756,
0.4283


 15.9673, 0.4049,
0.4865


 92.2726, 0.3707,
0.4196

 9.5010, 0.4144,
0.5109

 119.0191, 0.3664,
0.4123

 5.0694, 0.4320,
0.5534

 150.4911, 0.3627,
0.4060

 2.2880, 0.4231,
0.5769

 187.0729, 0.3594,
0.4006

 0.7674, 0.3657,
0.6343

229.1489, 0.3565,

 0.0000, 0.0000,

0.3959

0.0000

277.1036, 0.3540,
0.3918

■ 36.5415, 0.3881,
0.4514

■ 36.5415, 0.3881,
0.4514

■ 36.2546, 0.3994,
0.4696

■ 36.8939, 0.3750,
0.4303

■ 36.0236, 0.4086,
0.4842

■ 37.3111, 0.3607,
0.4072

■ 35.8446, 0.4152,
0.4946

■ 37.7986, 0.3458,
0.3830

■ 35.7113, 0.4193,
0.5008

■ 38.3600, 0.3308,
0.3585

■ 35.6293, 0.4213,
0.5037

■ 38.9985, 0.3161,
0.3345

■ 39.7174, 0.3020,
0.3115

■ 40.5195, 0.2888,
0.2899

■ 41.4076, 0.2765,
0.2697

■ 42.3845, 0.2652,
0.2512

Harmonies

Analogous

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



36.5415, 0.4363, 0.4155



36.5415, 0.3881, 0.4514



36.5415, 0.3227, 0.4516

Triad

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



36.5415, 0.3881, 0.4514



36.5415, 0.1915, 0.2686



36.5415, 0.3612, 0.2674

Complementary

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



36.5415, 0.3881, 0.4514



10.4251, 0.2145, 0.1678

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.



36.5415, 0.2900, 0.2352



36.5415, 0.3881, 0.4514



36.5415, 0.1989, 0.2321

Square

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



36.5415, 0.3881, 0.4514



36.5415, 0.2113, 0.3314



36.5415, 0.2326, 0.2221



36.5415, 0.4233, 0.3131

Rectangle

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



36.5415, 0.3881, 0.4514



36.5415, 0.2783, 0.4247



36.5415, 0.2326, 0.2221



36.5415, 0.3371, 0.2548

Sweetspot

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



36.5432, 0.3881, 0.4514



69.1864, 0.3367, 0.3681



14.6694, 0.4579, 0.3272



15.0361, 0.3396, 0.3729



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.



36.5432, 0.3881, 0.4514



65.7005, 0.4013, 0.4725



32.9843, 0.3442, 0.4735



8.7589, 0.3262, 0.3511



26.9087, 0.4213, 0.5037



0.6592, 0.4206, 0.5042

Inverse Universe

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



10.4251, 0.2145, 0.1678



13.0298, 0.1910, 0.1289



12.7477, 0.2602, 0.1838



7.3138, 0.2986, 0.3059



2.1717, 0.1503, 0.0609



0.0570, 0.1515, 0.0652

Previews

White Background



This preview shows how the Yxy color 36.5415, 0.3881, 0.4514 looks on a white background.

Color Contrast Check

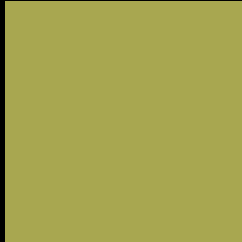
Large Text (above 18pt) WCAG AA × Fail

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 36.5415, 0.3881, 0.4514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

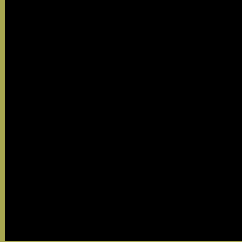
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5415, 0.3881, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 36.5415, 0.3881, 0.4514.



This preview shows how white text looks on a background with the Yxy color 36.5415, 0.3881, 0.4514.

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

36.5415, 0.3881, 0.4514

Protanopia

36.4622, 0.4042, 0.4421

Deuteranopia

36.3466, 0.4280, 0.4193



Tritanopia

36.3633, 0.3204, 0.3111

Trichromacy



Original Color

36.5415, 0.3881, 0.4514

Protanomaly

36.3455, 0.3992, 0.4452

Deuteranomaly

36.0968, 0.4132, 0.4303

Tritanomaly

36.2946, 0.3477, 0.3635

Monochromacy



Original Color

36.5415, 0.3881, 0.4514

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.6518, 0.3419, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5415, 0.3881, 0.4514 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(168, 167, 80)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 80)  
}
```

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(168, 167, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 80) }
```

Border

The CSS property to change the border of an element to Yxy 36.5415, 0.3881, 0.4514 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(168, 167, 80) }
```

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

```
.border{ border-color:rgb(168, 167, 80) }
```

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

Here you see how a box with a 4 pixel rgb(168, 167, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 167, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 167, 80);  
box-shadow:4px 4px 4px 4px rgb(168, 167,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5415, 0.3881, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 80) }
```

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

```
.background{ background-color: rgb(168,  
167, 80) }
```

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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