

Converting Colors

$Yxy(36.6799, 0.3541, 0.4387)$

Have a look what the booklet for
Yxy(36.6799, 0.3541, 0.4387)
contains.

Yxy(36.6060, 0.3542, 0.4384)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6060, 0.3542, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	97AB63
RGB	151, 171, 99
RGB Percent	59%, 67%, 39%
CMY	0.4079, 0.3294, 0.6117
CMYK	0.12, 0.00, 0.42, 0.33
HSL	77°, 30%, 53%
HSV	77°, 42%, 67%
XYZ	29.5754, 36.6060, 17.3177
YIQ	156.8120, 11.1920, -26.6320

Conversions

Conversions Part 2

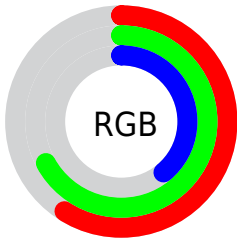
Format	Color
RYB	99, 171, 119
Decimal	9939811
CIELab	66.98, -18.86, 34.71
CIElCh	67, 39.499, 118.513
Yxy	36.6060, 0.3542, 0.4384
Android (android.graphics.Color)	4288129891 (0xFF97AB63)
YUV	156.8120, -28.5013, -5.0971
Hunter-Lab	60.5029, -18.6247, 25.3815

Details

The Yxy color **36.6060, 0.3542, 0.4384** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7957, 0.2564, 0.2084**, and the grayscale version is **33.7549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7489, 0.3474, 0.4160**, and **16.0766, 0.3637, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **35.8682, 0.3621, 0.4642**, and if you desaturate by 10%, it is **37.4347, 0.3451, 0.4116**.

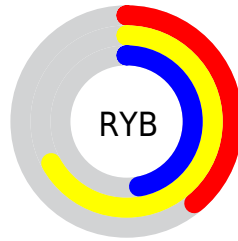
Distribution



Red (59%)

Green (67%)

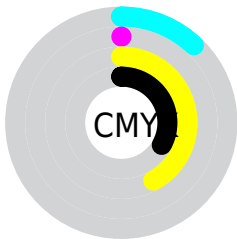
Blue (39%)



Red (39%)

Yellow (67%)

Blue (47%)

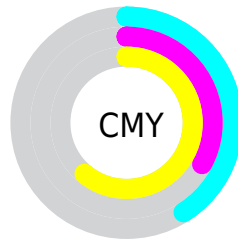


Cyan (12%)

Magenta (0%)

Yellow (42%)

Black (33%)



Cyan (41%)

Magenta (33%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6060, 0.3542, 0.4384 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 36.6060, 0.3542, 0.4384 by changing the saturation by 10% instead.


 36.6060, 0.3542,
0.4384


 36.6060, 0.3542,
0.4384

331.6016, 0.3345,
0.3800


 24.9026, 0.3584,
0.4539


 69.9664, 0.3475,
0.4164

 16.0045, 0.3632,
0.4742


 92.3922, 0.3448,
0.4084

 9.5273, 0.3682,
0.5016


 119.1608, 0.3425,
0.4017

 5.0867, 0.3721,
0.5402

 150.6568, 0.3405,
0.3960

 2.2982, 0.3828,
0.6172

187.2645, 0.3387,
0.3912

 0.7728, 0.2619,
0.7381

229.3682, 0.3371,

 0.0000, 0.0000,

0.3869

0.0000

277.3524, 0.3357,
0.3833

■ 36.6060, 0.3542,
0.4384

■ 36.6060, 0.3542,
0.4384

■ 35.8682, 0.3621,
0.4642

■ 37.4347, 0.3451,
0.4116

■ 35.2118, 0.3683,
0.4880

■ 38.3536, 0.3352,
0.3848

■ 34.6333, 0.3723,
0.5085


■ 39.3684, 0.3250,
0.3587


■ 34.1269, 0.3740,
0.5249


■ 40.4826, 0.3148,
0.3340

■ 33.6856, 0.3731,
0.5366

■ 41.6998, 0.3049,
0.3109

 33.3710, 0.3712,
0.5435

 43.0231, 0.2955,
0.2896

 44.4558, 0.2866,
0.2702

 46.0008, 0.2783,
0.2526

 47.6608, 0.2706,
0.2367

Harmonies

Analogous

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



36.6060, 0.4042, 0.4216



36.6060, 0.3542, 0.4384



36.6060, 0.2957, 0.4186

Triad

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



36.6060, 0.3542, 0.4384



36.6060, 0.2067, 0.2598



36.6060, 0.3812, 0.2929

Complementary

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



36.6060, 0.3542, 0.4384



15.7957, 0.2564, 0.2084

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.



36.6060, 0.3212, 0.2580



36.6060, 0.3542, 0.4384



36.6060, 0.2241, 0.2378

Square

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



36.6060, 0.3542, 0.4384



36.6060, 0.2134, 0.3050



36.6060, 0.2641, 0.2382



36.6060, 0.4229, 0.3370

Rectangle

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



36.6060, 0.3542, 0.4384



36.6060, 0.2600, 0.3857



36.6060, 0.2641, 0.2382



36.6060, 0.3622, 0.2799

Sweetspot

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



36.6076, 0.3542, 0.4384



70.2833, 0.3261, 0.3616



22.5697, 0.4060, 0.3586



15.5836, 0.3284, 0.3672



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.



36.6076, 0.3542, 0.4384



64.2547, 0.3620, 0.4638



33.7314, 0.3209, 0.4510



9.2165, 0.3221, 0.3517



25.1813, 0.3717, 0.5431



0.7260, 0.3868, 0.5311

Inverse Universe

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



15.7957, 0.2564, 0.2084



21.7329, 0.2398, 0.1769



18.7605, 0.2971, 0.2213



7.8611, 0.3027, 0.3059



2.7060, 0.1689, 0.0704



0.1029, 0.2031, 0.0893

Previews

White Background



This preview shows how the Yxy color 36.6060, 0.3542, 0.4384 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 36.6060, 0.3542, 0.4384 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 36.6060, 0.3542, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 36.6060, 0.3542, 0.4384.



This preview shows how white text looks on a background with the Yxy color 36.6060, 0.3542, 0.4384.

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

36.6060, 0.3542, 0.4384

Protanopia

36.5039, 0.3885, 0.4224

Deuteranopia

36.1577, 0.4061, 0.3975



Tritanopia

36.5129, 0.3006, 0.3105

Trichromacy



Original Color

36.6060, 0.3542, 0.4384

Protanomaly

36.4603, 0.3755, 0.4286

Deuteranomaly

36.1523, 0.3865, 0.4114

Tritanomaly

36.1849, 0.3209, 0.3559

Monochromacy



Original Color

36.6060, 0.3542, 0.4384

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5868, 0.3292, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6060, 0.3542, 0.4384 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(151, 171, 99)` looks like.

```
.text, #text, p{  
    color:rgb(151, 171, 99)  
}
```

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(151, 171, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 171, 99) }
```

Border

The CSS property to change the border of an element to Yxy 36.6060, 0.3542, 0.4384 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(151, 171, 99) }
```

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

```
.border{ border-color:rgb(151, 171, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 171, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 171, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 171, 99);  
box-shadow:4px 4px 4px 4px rgb(151, 171,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6060, 0.3542, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 171, 99) }
```

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

```
.background{ background-color: rgb(151,  
171, 99) }
```

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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