

Converting Colors

$Y_{xy}(36.8099, 0.3532, 0.4277)$

Have a look what the booklet for
Yxy(36.8099, 0.3532, 0.4277)
contains.

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Color

Yxy(36.6394, 0.3529, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	9AAA69
RGB	154, 170, 105
RGB Percent	60%, 67%, 41%
CMY	0.3960, 0.3333, 0.5883
CMYK	0.09, 0.00, 0.38, 0.33
HSL	75°, 28%, 54%
HSV	75°, 38%, 67%
XYZ	30.2528, 36.6394, 18.8341
YIQ	157.8060, 11.3290, -23.6070

Conversions

Conversions Part 2

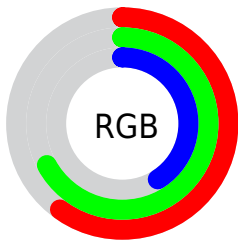
Format	Color
RYB	105, 170, 121
Decimal	10136169
CIELab	67.01, -16.40, 31.68
CIELCh	67, 35.669, 117.367
Yxy	36.6394, 0.3529, 0.4274
Android (android.graphics.Color)	4288326249 (0xFF9AAA69)
YUV	157.8060, -26.0334, -3.3379
Hunter-Lab	60.5305, -16.7151, 23.9233

Details

The Yxy color **36.6394, 0.3529, 0.4274** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.0610, 0.2604, 0.2201**, and the grayscale version is **34.2170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8401, 0.3460, 0.4075**, and **16.0672, 0.3629, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **35.9229, 0.3619, 0.4533**, and if you desaturate by 10%, it is **37.4433, 0.3428, 0.4008**.

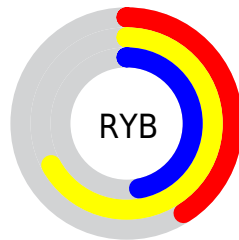
Distribution



Red (60%)

Green (67%)

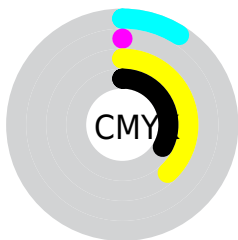
Blue (41%)



Red (41%)

Yellow (67%)

Blue (47%)

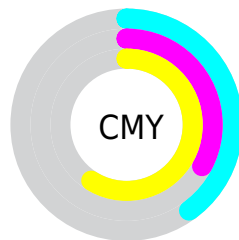


Cyan (9%)

Magenta (0%)

Yellow (38%)

Black (33%)



Cyan (40%)


Magenta (33%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6394, 0.3529, 0.4274 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 36.6394, 0.3529, 0.4274 by changing the saturation by 10% instead.


 36.6394, 0.3529,
0.4274


 36.6394, 0.3529,
0.4274


331.7467, 0.3334,
0.3750

 24.9284, 0.3573,
0.4413


 70.0178, 0.3461,
0.4077

 16.0237, 0.3624,
0.4597


 92.4541, 0.3435,
0.4005

 9.5409, 0.3683,
0.4845


 119.2342, 0.3412,
0.3945

 5.0957, 0.3741,
0.5196

 150.7426, 0.3392,
0.3894

 2.3035, 0.3970,
0.6030

187.3636, 0.3375,
0.3850

 0.7756, 0.3028,
0.6972

229.4817, 0.3360,

 0.0000, 0.0000,

0.3812

0.0000

277.4813, 0.3346,
0.3779

■ 36.6394, 0.3529,
0.4274

■ 36.6394, 0.3529,
0.4274

■ 35.9229, 0.3619,
0.4533

■ 37.4433, 0.3428,
0.4008

■ 35.2847, 0.3694,
0.4773

■ 38.3336, 0.3322,
0.3745

■ 34.7214, 0.3749,
0.4986


■ 39.3158, 0.3215,
0.3490


■ 34.2278, 0.3780,
0.5160


■ 40.3932, 0.3109,
0.3249

■ 33.7976, 0.3786,
0.5289


■ 41.5692, 0.3007,
0.3025


 33.4200, 0.3771,
0.5377

 42.8469, 0.2910,
0.2818

 33.3565, 0.3767,
0.5391

 44.2292, 0.2819,
0.2630

 45.7189, 0.2735,
0.2459

 47.1259, 0.2676,
0.2332

Harmonies

Analogous

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



36.6394, 0.3974, 0.4124



36.6394, 0.3529, 0.4274



36.6394, 0.2998, 0.4104

Triad

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



36.6394, 0.3529, 0.4274



36.6394, 0.2157, 0.2678



36.6394, 0.3727, 0.2950

Complementary

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



36.6394, 0.3529, 0.4274



17.0610, 0.2604, 0.2201

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.



36.6394, 0.3186, 0.2632



36.6394, 0.3529, 0.4274



36.6394, 0.2310, 0.2464

Square

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



36.6394, 0.3529, 0.4274



36.6394, 0.2230, 0.3099



36.6394, 0.2671, 0.2456



36.6394, 0.4111, 0.3354

Rectangle

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



36.6394, 0.3529, 0.4274



36.6394, 0.2669, 0.3818



36.6394, 0.2671, 0.2456



36.6394, 0.3555, 0.2831

Sweetspot

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



36.6410, 0.3529, 0.4274



70.7913, 0.3246, 0.3564



23.0332, 0.3958, 0.3526



15.7340, 0.3261, 0.3597



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.



36.6410, 0.3529, 0.4274



65.3541, 0.3607, 0.4497



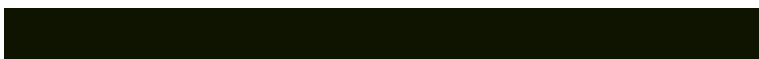
33.9293, 0.3224, 0.4377



8.6796, 0.3226, 0.3516



24.5644, 0.3772, 0.5387



0.6194, 0.3919, 0.5270

Inverse Universe

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



17.0610, 0.2604, 0.2201



24.6588, 0.2457, 0.1922



19.7388, 0.2964, 0.2305



7.3863, 0.3023, 0.3059



2.5162, 0.1654, 0.0685



0.0843, 0.1999, 0.0875

Previews

White Background



This preview shows how the Yxy color 36.6394, 0.3529, 0.4274 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 36.6394, 0.3529, 0.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

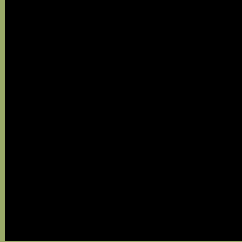
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6394, 0.3529, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 36.6394, 0.3529, 0.4274.



This preview shows how white text looks on a background with the Yxy color 36.6394, 0.3529, 0.4274.

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

36.6394, 0.3529, 0.4274

Protanopia

36.5008, 0.3822, 0.4149

Deuteranopia

36.4617, 0.3997, 0.3928



Tritanopia

36.6832, 0.3033, 0.3120

Trichromacy



Original Color

36.6394, 0.3529, 0.4274

Protanomaly

36.6867, 0.3715, 0.4201

Deuteranomaly

36.2546, 0.3820, 0.4047

Tritanomaly

36.5538, 0.3220, 0.3526

Monochromacy



Original Color

36.6394, 0.3529, 0.4274

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.8728, 0.3285, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6394, 0.3529, 0.4274 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(154, 170, 105)` looks like.

```
.text, #text, p{  
    color:rgb(154, 170, 105)  
}
```

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(154, 170, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 170, 105) }
```

Border

The CSS property to change the border of an element to Yxy 36.6394, 0.3529, 0.4274 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(154, 170, 105) }
```

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

```
.border{ border-color:rgb(154, 170, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 170, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 170, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 170, 105);  
box-shadow:4px 4px 4px 4px rgb(154, 170,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6394, 0.3529, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 170, 105) }
```

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

```
.background{ background-color: rgb(154,  
170, 105) }
```

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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