

Converting Colors

$Y_{xy}(36.5726, 0.3732, 0.4855)$

Have a look what the booklet for
Yxy(36.5726, 0.3732, 0.4855)
contains.

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Color

Yxy(36.5647, 0.3735, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	94AD41
RGB	148, 173, 65
RGB Percent	58%, 68%, 25%
CMY	0.4197, 0.3215, 0.7450
CMYK	0.14, 0.00, 0.62, 0.32
HSL	74°, 45%, 47%
HSV	74°, 62%, 68%
XYZ	28.1064, 36.5647, 10.5804
YIQ	153.2130, 19.7680, -38.8880

Conversions

Conversions Part 2

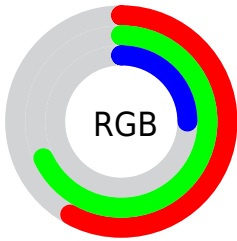
Format	Color
RYB	65, 173, 90
Decimal	9743681
CIELab	66.95, -24.43, 51.07
CIELCh	67, 56.608, 115.562
Yxy	36.5647, 0.3735, 0.4859
Android (android.graphics.Color)	4287933761 (0xFF94AD41)
YUV	153.2130, -43.4890, -4.5718
Hunter-Lab	60.4688, -22.8519, 31.9540

Details

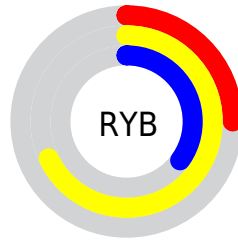
The Yxy color **36.5647, 0.3735, 0.4859** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.9779, 0.2162, 0.1421**, and the grayscale version is **32.1389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6085, 0.3656, 0.4556**, and **16.0632, 0.3806, 0.5328** is the 20% darker color. If you saturate the color by 10%, you get **36.0279, 0.3783, 0.5053**, and if you desaturate by 10%, it is **37.1792, 0.3666, 0.4631**.

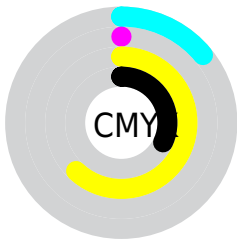
Distribution



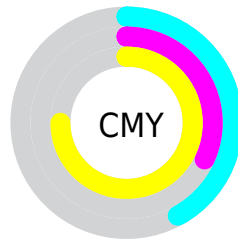
- Red (58%)
- Green (68%)
- Blue (25%)



- Red (25%)
- Yellow (68%)
- Blue (35%)



- Cyan (14%)
- Magenta (0%)
- Yellow (62%)
- Black (32%)



- Cyan (42%)
- Magenta (32%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5647, 0.3735, 0.4859 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 36.5647, 0.3735, 0.4859 by changing the saturation by 10% instead.


 36.5647, 0.3735,
0.4859


 36.5647, 0.3735,
0.4859


331.4221, 0.3468,
0.4033


 24.8706, 0.3778,
0.5066


 69.9028, 0.3653,
0.4555

 15.9807, 0.3814,
0.5325

 92.3156, 0.3617,
0.4441


 9.5105, 0.3824,
0.5651


 119.0701, 0.3585,
0.4345

 5.0756, 0.3834,
0.6166

 150.5507, 0.3556,
0.4264

 2.2917, 0.3505,
0.6495

 187.1418, 0.3531,
0.4194

 0.7693, 0.1492,
0.8508

229.2278, 0.3508,

 0.0000, 0.0000,

0.4133

0.0000

277.1931, 0.3487,
0.4080

■ 36.5647, 0.3735,
0.4859

■ 36.5647, 0.3735,
0.4859

■ 36.0279, 0.3783,
0.5053

■ 37.1792, 0.3666,
0.4631

■ 35.5579, 0.3805,
0.5206

■ 37.8716, 0.3579,
0.4381

■ 35.1493, 0.3803,
0.5313

■ 38.6483, 0.3479,
0.4118

■ 34.8689, 0.3790,
0.5372

■ 39.5136, 0.3372,
0.3854

■ 40.4713, 0.3263,
0.3595

■ 41.5253, 0.3153,
0.3348

■ 42.6789, 0.3047,
0.3116

■ 43.9355, 0.2946,
0.2901

■ 45.2981, 0.2851,
0.2704

Harmonies

Analogous

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



36.5647, 0.4426, 0.4490



36.5647, 0.3735, 0.4859



36.5647, 0.2927, 0.4687

Triad

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



36.5647, 0.3735, 0.4859



36.5647, 0.1684, 0.2348



36.5647, 0.4023, 0.2727

Complementary

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



36.5647, 0.3735, 0.4859



8.9779, 0.2162, 0.1421

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.



36.5647, 0.3144, 0.2289



36.5647, 0.3735, 0.4859



36.5647, 0.1881, 0.2054

Square

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



36.5647, 0.3735, 0.4859



36.5647, 0.1789, 0.2989



36.5647, 0.2375, 0.2049



36.5647, 0.4668, 0.3290

Rectangle

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



36.5647, 0.3735, 0.4859



36.5647, 0.2430, 0.4212



36.5647, 0.2375, 0.2049



36.5647, 0.3737, 0.2563

Sweetspot

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



36.5663, 0.3735, 0.4859



71.2675, 0.3339, 0.3773



16.3162, 0.4821, 0.3623



15.3881, 0.3369, 0.3845



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.



36.5663, 0.3735, 0.4859



64.1731, 0.3794, 0.5118



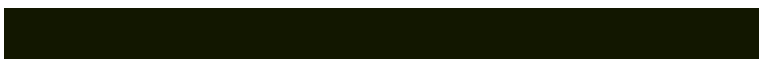
32.7398, 0.3249, 0.5143



9.2352, 0.3228, 0.3516



25.6393, 0.3795, 0.5369



0.7358, 0.3922, 0.5268

Inverse Universe

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



8.9779, 0.2162, 0.1421



10.6816, 0.1924, 0.1045



12.5884, 0.2787, 0.1698



7.8435, 0.3020, 0.3058



2.5720, 0.1639, 0.0677



0.0960, 0.1951, 0.0848

Previews

White Background



This preview shows how the Yxy color 36.5647, 0.3735, 0.4859 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 36.5647, 0.3735, 0.4859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

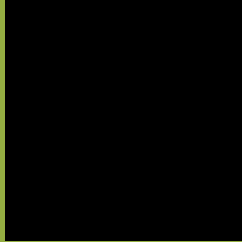
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5647, 0.3735, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 36.5647, 0.3735, 0.4859.



This preview shows how white text looks on a background with the Yxy color 36.5647, 0.3735, 0.4859.

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

36.5647, 0.3735, 0.4859

Protanopia

36.3659, 0.4168, 0.4590

Deuteranopia

36.4542, 0.4394, 0.4304



Tritanopia

36.4094, 0.2997, 0.3104

Trichromacy



Original Color

36.5647, 0.3735, 0.4859

Protanomaly

36.4313, 0.4005, 0.4694

Deuteranomaly

36.2154, 0.4142, 0.4506

Tritanomaly

36.0896, 0.3303, 0.3758

Monochromacy



Original Color

36.5647, 0.3735, 0.4859

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1014, 0.3393, 0.3901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5647, 0.3735, 0.4859 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(148, 173, 65)` looks like.

```
.text, #text, p{  
    color:rgb(148, 173, 65)  
}
```

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(148, 173, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 173, 65) }
```

Border

The CSS property to change the border of an element to Yxy 36.5647, 0.3735, 0.4859 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(148, 173, 65) }
```

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

```
.border{ border-color:rgb(148, 173, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 173, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 173, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 173, 65);  
box-shadow:4px 4px 4px 4px rgb(148, 173,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5647, 0.3735, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 173, 65) }
```

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

```
.background{ background-color: rgb(148,  
173, 65) }
```

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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