

Converting Colors

$Y_{xy}(33.9941, 0.3658, 0.4580)$

Have a look what the booklet for
Yxy(33.9941, 0.3658, 0.4580)
contains.

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Color

Yxy(34.0847, 0.3655, 0.4581)

Conversions

Conversions Part 1

Format	Color
Hex	93A652
RGB	147, 166, 82
RGB Percent	58%, 65%, 32%
CMY	0.4234, 0.3490, 0.6785
CMYK	0.11, 0.00, 0.51, 0.35
HSL	74°, 34%, 49%
HSV	74°, 51%, 65%
XYZ	27.1948, 34.0847, 13.1250
YIQ	150.7430, 15.6400, -30.1520

Conversions

Conversions Part 2

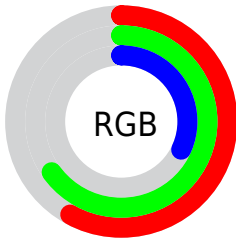
Format	Color
RYB	82, 166, 101
Decimal	9676370
CIELab	65.03, -19.79, 40.91
CIELCh	65, 45.447, 115.819
Yxy	34.0847, 0.3655, 0.4581
Android (android.graphics.Color)	4287866450 (0xFF93A652)
YUV	150.7430, -33.8903, -3.2826
Hunter-Lab	58.3821, -19.0220, 27.5384

Details

The Yxy color **34.0847, 0.3655, 0.4581** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.5497, 0.2373, 0.1796**, and the grayscale version is **30.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9629, 0.3571, 0.4326**, and **14.5186, 0.3756, 0.5005** is the 20% darker color. If you saturate the color by 10%, you get **33.5224, 0.3729, 0.4812**, and if you desaturate by 10%, it is **34.7225, 0.3564, 0.4329**.

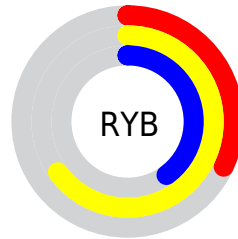
Distribution



Red (58%)

Green (65%)

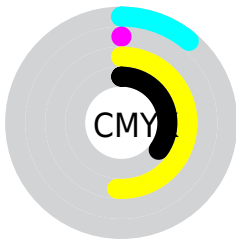
Blue (32%)



Red (32%)

Yellow (65%)

Blue (40%)

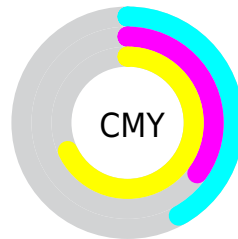


Cyan (11%)

Magenta (0%)

Yellow (51%)

Black (35%)



Cyan (42%)


Magenta (35%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0847, 0.3655, 0.4581 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 34.0847, 0.3655, 0.4581 by changing the saturation by 10% instead.


 34.0847, 0.3655,
0.4581


 34.0847, 0.3655,
0.4581


320.5096, 0.3406,
0.3889


 22.9587, 0.3705,
0.4763


 66.0654, 0.3572,
0.4321


 14.5630, 0.3758,
0.4999


 87.6888, 0.3538,
0.4225


 8.5133, 0.3804,
0.5311


 113.5801, 0.3509,
0.4146

 4.4251, 0.3913,
0.5878

 144.1238, 0.3483,
0.4078

 1.9141, 0.3702,
0.6298

 179.7042, 0.3460,
0.4021

 0.5568, 0.0764,
0.9236

220.7057, 0.3440,

 0.0000, 0.0000,

0.3971

0.0000

267.5127, 0.3422,
0.3927

■ 34.0847, 0.3655,
0.4581

■ 34.0847, 0.3655,
0.4581

■ 33.5224, 0.3729,
0.4812

■ 34.7225, 0.3564,
0.4329

■ 33.0264, 0.3782,
0.5012

■ 35.4354, 0.3462,
0.4067

■ 32.5930, 0.3811,
0.5172

■ 36.2286, 0.3354,
0.3804

■ 32.2161, 0.3815,
0.5287

■ 37.1057, 0.3243,
0.3548

■ 31.9008, 0.3802,
0.5363

■ 38.0699, 0.3134,
0.3304

■ 39.1244, 0.3028,
0.3076

■ 40.2721, 0.2927,
0.2865

■ 41.5159, 0.2833,
0.2672

■ 42.8582, 0.2745,
0.2497

Harmonies

Analogous

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



34.0847, 0.4226, 0.4322



34.0847, 0.3655, 0.4581



34.0847, 0.2976, 0.4406

Triad

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



34.0847, 0.3655, 0.4581



34.0847, 0.1901, 0.2511



34.0847, 0.3873, 0.2826

Complementary

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



34.0847, 0.3655, 0.4581



11.5497, 0.2373, 0.1796

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.



34.0847, 0.3156, 0.2443



34.0847, 0.3655, 0.4581



34.0847, 0.2074, 0.2246

Square

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



34.0847, 0.3655, 0.4581



34.0847, 0.1998, 0.3054



34.0847, 0.2506, 0.2235



34.0847, 0.4397, 0.3318

Rectangle

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



34.0847, 0.3655, 0.4581



34.0847, 0.2554, 0.4027



34.0847, 0.2506, 0.2235



34.0847, 0.3641, 0.2682

Sweetspot

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



34.0862, 0.3655, 0.4581



66.5825, 0.3295, 0.3667



17.8663, 0.4367, 0.3576



14.8281, 0.3317, 0.3719



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.



34.0862, 0.3655, 0.4581



60.6966, 0.3739, 0.4845



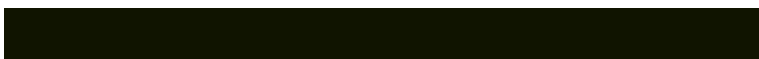
30.9320, 0.3250, 0.4770



8.6871, 0.3229, 0.3515



24.7595, 0.3806, 0.5360



0.6229, 0.3942, 0.5252

Inverse Universe

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



11.5497, 0.2373, 0.1796



15.0240, 0.2163, 0.1432



14.5535, 0.2872, 0.1982



7.3792, 0.3020, 0.3059



2.4649, 0.1634, 0.0674



0.0817, 0.1962, 0.0855

Previews

White Background



This preview shows how the Yxy color 34.0847, 0.3655, 0.4581 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 34.0847, 0.3655, 0.4581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

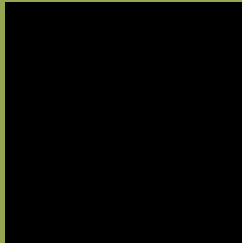
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0847, 0.3655, 0.4581

Background



This preview shows how black text looks on a background with the Yxy color 34.0847, 0.3655, 0.4581.



This preview shows how white text looks on a background with the Yxy color 34.0847, 0.3655, 0.4581.

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

34.0847, 0.3655, 0.4581

Protanopia

34.0169, 0.4015, 0.4393

Deuteranopia

33.8220, 0.4221, 0.4129



Tritanopia

33.8096, 0.3021, 0.3099

Trichromacy



Original Color

34.0847, 0.3655, 0.4581

Protanomaly

33.9614, 0.3879, 0.4465

Deuteranomaly

33.6629, 0.4003, 0.4287

Tritanomaly

33.7201, 0.3266, 0.3644

Monochromacy



Original Color

34.0847, 0.3655, 0.4581

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.7673, 0.3346, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0847, 0.3655, 0.4581 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(147, 166, 82)` looks like.

```
.text, #text, p{  
    color:rgb(147, 166, 82)  
}
```

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(147, 166, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 166, 82) }
```

Border

The CSS property to change the border of an element to Yxy 34.0847, 0.3655, 0.4581 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(147, 166, 82) }
```

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

```
.border{ border-color:rgb(147, 166, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 166, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 166, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 166, 82);  
box-shadow:4px 4px 4px 4px rgb(147, 166,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0847, 0.3655, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 166, 82) }
```

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

```
.background{ background-color: rgb(147,  
166, 82) }
```

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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