

Converting Colors

$Yxy(34.1234, 0.3975, 0.4705)$

Have a look what the booklet for
Yxy(34.1234, 0.3975, 0.4705)
contains.

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Color

Yxy(34.2236, 0.3969, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	A2A33E
RGB	162, 163, 62
RGB Percent	64%, 64%, 24%
CMY	0.3646, 0.3608, 0.7568
CMYK	0.01, 0.00, 0.62, 0.36
HSL	61°, 45%, 44%
HSV	61°, 62%, 64%
XYZ	28.8700, 34.2236, 9.6452
YIQ	151.1870, 31.8250, -31.6230

Conversions

Conversions Part 2

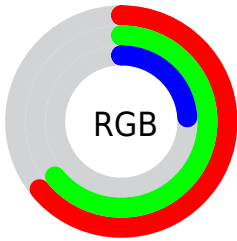
Format	Color
RYB	62, 163, 63
Decimal	10658622
CIELab	65.14, -13.64, 50.74
CIELCh	65, 52.541, 105.043
Yxy	34.2236, 0.3969, 0.4705
Android (android.graphics.Color)	4288848702 (0xFFA2A33E)
YUV	151.1870, -43.9692, 9.4830
Hunter-Lab	58.5009, -14.2875, 31.1754

Details

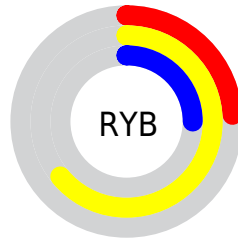
The Yxy color **34.2236, 0.3969, 0.4705** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.1497, 0.1959, 0.1349**, and the grayscale version is **31.2164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4178, 0.3835, 0.4444**, and **14.7163, 0.4116, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **34.0556, 0.4057, 0.4855**, and if you desaturate by 10%, it is **34.4485, 0.3859, 0.4519**.

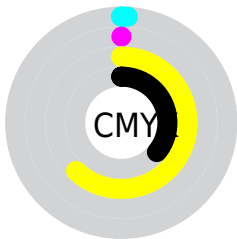
Distribution



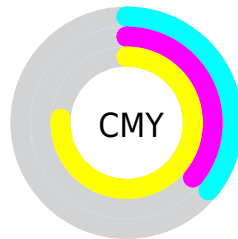
- Red (64%)
- Green (64%)
- Blue (24%)



- Red (24%)
- Yellow (64%)
- Blue (25%)



- Cyan (1%)
- Magenta (0%)
- Yellow (62%)
- Black (36%)




- Cyan (36%)
- Magenta (36%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2236, 0.3969, 0.4705 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 34.2236, 0.3969, 0.4705 by changing the saturation by 10% instead.

 34.2236, 0.3969,
0.4705

 34.2236, 0.3969,
0.4705


321.1279, 0.3571,
0.3973


 23.0654, 0.4048,
0.4881


 66.2812, 0.3837,
0.4440


 14.6418, 0.4130,
0.5096


 87.9495, 0.3782,
0.4340


 8.5684, 0.4208,
0.5362


 113.8899, 0.3735,
0.4255

 4.4608, 0.4278,
0.5722

 144.4868, 0.3694,
0.4182

 1.9345, 0.4080,
0.5920

 180.1247, 0.3657,
0.4119

 0.5690, 0.2676,
0.7324

221.1879, 0.3625,

 0.0000, 0.0000,

0.4064

0.0000

268.0609, 0.3596,
0.4016

■ 34.2236, 0.3969,
0.4705

■ 34.2236, 0.3969,
0.4705

■ 34.0556, 0.4057,
0.4855

■ 34.4485, 0.3859,
0.4519

■ 33.9347, 0.4120,
0.4965

■ 34.7298, 0.3732,
0.4304

■ 33.8567, 0.4158,
0.5032

■ 35.0731, 0.3592,
0.4069

■ 33.8140, 0.4177,
0.5066

■ 35.4820, 0.3446,
0.3824

■ 35.9596, 0.3299,
0.3578

■ 36.5092, 0.3155,
0.3336

■ 37.1335, 0.3016,
0.3104

■ 37.8354, 0.2885,
0.2886

■ 38.6174, 0.2764,
0.2684

Harmonies

Analogous

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



34.2236, 0.4539, 0.4261



34.2236, 0.3969, 0.4705



34.2236, 0.3215, 0.4739

Triad

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



34.2236, 0.3969, 0.4705



34.2236, 0.1746, 0.2573



34.2236, 0.3693, 0.2588

Complementary

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



34.2236, 0.3969, 0.4705



7.1497, 0.1959, 0.1349

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.



34.2236, 0.2864, 0.2226



34.2236, 0.3969, 0.4705



34.2236, 0.1835, 0.2174

Square

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



34.2236, 0.3969, 0.4705



34.2236, 0.1958, 0.3297



34.2236, 0.2211, 0.2074



34.2236, 0.4422, 0.3098

Rectangle

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



34.2236, 0.3969, 0.4705



34.2236, 0.2709, 0.4422



34.2236, 0.2211, 0.2074



34.2236, 0.3411, 0.2447

Sweetspot

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



34.2252, 0.3969, 0.4705



63.7562, 0.3408, 0.3760



11.5828, 0.5036, 0.3296



14.2697, 0.3449, 0.3828



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2252, 0.3969, 0.4705



60.9083, 0.4081, 0.4897



30.0206, 0.3452, 0.5003



8.2337, 0.3260, 0.3512



26.2814, 0.4177, 0.5066



0.5533, 0.4183, 0.5061

Inverse Universe

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



7.1497, 0.1959, 0.1349



8.3277, 0.1727, 0.0967



9.5711, 0.2499, 0.1586



6.8631, 0.2988, 0.3058



2.0643, 0.1504, 0.0602



0.0443, 0.1523, 0.0613

Previews

White Background



This preview shows how the Yxy color 34.2236, 0.3969, 0.4705 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 34.2236, 0.3969, 0.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

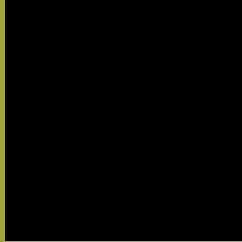
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2236, 0.3969, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 34.2236, 0.3969, 0.4705.



This preview shows how white text looks on a background with the Yxy color 34.2236, 0.3969, 0.4705.

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

34.2236, 0.3969, 0.4705

Protanopia

34.0207, 0.4166, 0.4576

Deuteranopia

33.9418, 0.4416, 0.4325



Tritanopia

34.2697, 0.3205, 0.3120

Trichromacy



Original Color

34.2236, 0.3969, 0.4705

Protanomaly

34.1365, 0.4096, 0.4628

Deuteranomaly

34.0147, 0.4251, 0.4457

Tritanomaly

33.9973, 0.3513, 0.3720

Monochromacy



Original Color

34.2236, 0.3969, 0.4705

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.7432, 0.3468, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2236, 0.3969, 0.4705 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(162, 163, 62)` looks like.

```
.text, #text, p{  
    color:rgb(162, 163, 62)  
}
```

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(162, 163, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 163, 62) }
```

Border

The CSS property to change the border of an element to Yxy 34.2236, 0.3969, 0.4705 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(162, 163, 62) }
```

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

```
.border{ border-color:rgb(162, 163, 62) }
```

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

Here you see how a box with a 4 pixel rgb(162, 163, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 163, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 163, 62);  
box-shadow:4px 4px 4px 4px rgb(162, 163,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2236, 0.3969, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 163, 62) }
```

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

```
.background{ background-color: rgb(162,  
163, 62) }
```

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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