

Converting Colors

$Y_{xy}(34.4751, 0.3970, 0.5011)$

Have a look what the booklet for
Yxy(34.4751, 0.3970, 0.5011)
contains.

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Color

Yxy(34.5497, 0.3962, 0.5013)

Conversions

Conversions Part 1

Format	Color
Hex	99A726
RGB	153, 167, 38
RGB Percent	60%, 65%, 15%
CMY	0.4000, 0.3451, 0.8509
CMYK	0.08, 0.00, 0.77, 0.35
HSL	67°, 63%, 40%
HSV	67°, 77%, 65%
XYZ	27.3062, 34.5497, 7.0643
YIQ	148.1080, 33.0650, -43.0870

Conversions

Conversions Part 2

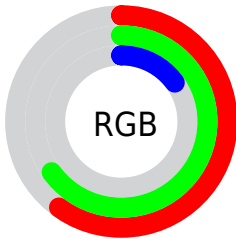
Format	Color
R_{YB}	38, 167, 52
Decimal	10069798
CIE Lab	65.40, -20.93, 59.97
CIE LCh	65, 63.520, 109.234
Yxy	34.5497, 0.3962, 0.5013
Android (android.graphics.Color)	4288259878 (0xFF99A726)
YUV	148.1080, -54.2832, 4.2903
Hunter-Lab	58.7790, -19.9398, 34.0196

Details

The Yxy color **34.5497, 0.3962, 0.5013** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.9080, 0.1781, 0.0962**, and the grayscale version is **29.8843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7523, 0.3852, 0.4699**, and **14.8581, 0.3945, 0.5249** is the 20% darker color. If you saturate the color by 10%, you get **34.2915, 0.3995, 0.5120**, and if you desaturate by 10%, it is **34.8621, 0.3904, 0.4864**.

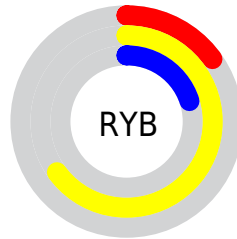
Distribution



Red (60%)

Green (65%)

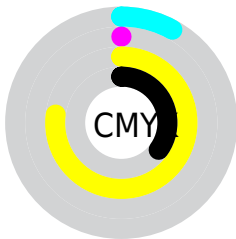
Blue (15%)



Red (15%)

Yellow (65%)

Blue (20%)

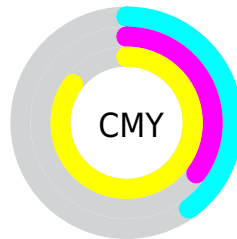


Cyan (8%)

Magenta (0%)

Yellow (77%)

Black (35%)



Cyan (40%)


Magenta (35%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5497, 0.3962, 0.5013 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 34.5497, 0.3962, 0.5013 by changing the saturation by 10% instead.


 34.5497, 0.3962,
0.5013


 34.5497, 0.3962,
0.5013


322.5762, 0.3598,
0.4127


 23.3162, 0.4015,
0.5218


 66.7876, 0.3853,
0.4697

 14.8272, 0.4054,
0.5461


 88.5608, 0.3804,
0.4575


 8.6982, 0.4117,
0.5833


 114.6160, 0.3760,
0.4472

 4.5448, 0.3953,
0.6047

 145.3376, 0.3721,
0.4383

 1.9828, 0.3648,
0.6352

 181.1101, 0.3685,
0.4305

 0.5974, 0.0871,
0.9129

 222.3177, 0.3653,

 0.0000, 0.0000,

0.4238

0.0000

269.3450, 0.3624,
0.4179

■ 34.5497, 0.3962,
0.5013

■ 34.5497, 0.3962,
0.5013

■ 34.2915, 0.3995,
0.5120

■ 34.8621, 0.3904,
0.4864

■ 34.0739, 0.4004,
0.5186

■ 35.2297, 0.3823,
0.4676

■ 34.0166, 0.4005,
0.5202

■ 35.6591, 0.3721,
0.4457

■ 36.1546, 0.3605,
0.4217

■ 36.7202, 0.3480,
0.3966

■ 37.3596, 0.3350,
0.3713

■ 38.0761, 0.3219,
0.3464

■ 38.8731, 0.3093,
0.3225

■ 39.7533, 0.2971,
0.3001

Harmonies

Analogous

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



34.5497, 0.4695, 0.4471



34.5497, 0.3962, 0.5013



34.5497, 0.3067, 0.5022

Triad

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



34.5497, 0.3962, 0.5013



34.5497, 0.1520, 0.2332



34.5497, 0.3940, 0.2537

Complementary

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



34.5497, 0.3962, 0.5013



4.9080, 0.1781, 0.0962

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.



34.5497, 0.2933, 0.2099



34.5497, 0.3962, 0.5013



34.5497, 0.1668, 0.1945

Square

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



34.5497, 0.3962, 0.5013



34.5497, 0.1696, 0.3131



34.5497, 0.2135, 0.1888



34.5497, 0.4773, 0.3128

Rectangle

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



34.5497, 0.3962, 0.5013



34.5497, 0.2489, 0.4568



34.5497, 0.2135, 0.1888



34.5497, 0.3600, 0.2369

Sweetspot

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



34.5513, 0.3962, 0.5013



66.1822, 0.3430, 0.3869



10.7162, 0.5605, 0.3438



14.7239, 0.3476, 0.3958



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.



34.5513, 0.3962, 0.5013



61.1169, 0.4003, 0.5171



29.9329, 0.3340, 0.5450



8.7319, 0.3246, 0.3514



26.0417, 0.4007, 0.5200



0.6449, 0.4073, 0.5148

Inverse Universe

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



4.9080, 0.1781, 0.0962



5.7375, 0.1579, 0.0675



7.8501, 0.2468, 0.1310



7.3381, 0.3002, 0.3058



2.2456, 0.1546, 0.0625



0.0662, 0.1734, 0.0729

Previews

White Background



This preview shows how the Yxy color 34.5497, 0.3962, 0.5013 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 34.5497, 0.3962, 0.5013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

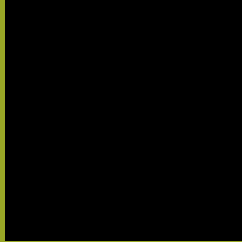
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5497, 0.3962, 0.5013

Background



This preview shows how black text looks on a background with the Yxy color 34.5497, 0.3962, 0.5013.



This preview shows how white text looks on a background with the Yxy color 34.5497, 0.3962, 0.5013.

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

34.5497, 0.3962, 0.5013

Protanopia

34.3886, 0.4308, 0.4767

Deuteranopia

34.4726, 0.4562, 0.4478



Tritanopia

34.6034, 0.3106, 0.3118

Trichromacy



Original Color

34.5497, 0.3962, 0.5013

Protanomaly

34.4092, 0.4180, 0.4856

Deuteranomaly

34.2334, 0.4340, 0.4674

Tritanomaly

34.0992, 0.3496, 0.3881

Monochromacy



Original Color

34.5497, 0.3962, 0.5013

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0094, 0.3518, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5497, 0.3962, 0.5013 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(153, 167, 38)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 38)  
}
```

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(153, 167, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 38) }
```

Border

The CSS property to change the border of an element to Yxy 34.5497, 0.3962, 0.5013 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(153, 167, 38) }
```

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

```
.border{ border-color:rgb(153, 167, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 167, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 167, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 167, 38);  
box-shadow:4px 4px 4px 4px rgb(153, 167,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5497, 0.3962, 0.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 167, 38) }
```

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

```
.background{ background-color: rgb(153,  
167, 38) }
```

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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