

Converting Colors

$Yxy(34.6488, 0.3724, 0.4562)$

Have a look what the booklet for
Yxy(34.6488, 0.3724, 0.4562)
contains.

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Color

Yxy(34.6388, 0.3724, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	99A651
RGB	153, 166, 81
RGB Percent	60%, 65%, 32%
CMY	0.4000, 0.3490, 0.6823
CMYK	0.08, 0.00, 0.51, 0.35
HSL	69°, 34%, 48%
HSV	69°, 51%, 65%
XYZ	28.2574, 34.6388, 12.9829
YIQ	152.4230, 19.5370, -29.1910

Conversions

Conversions Part 2

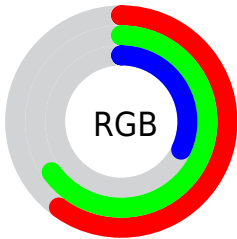
Format	Color
RYB	81, 166, 94
Decimal	10069585
CIELab	65.47, -17.44, 42.02
CIELCh	65, 45.496, 112.540
Yxy	34.6388, 0.3724, 0.4565
Android (android.graphics.Color)	4288259665 (0xFF99A651)
YUV	152.4230, -35.2115, 0.5060
Hunter-Lab	58.8547, -17.2943, 28.1194

Details

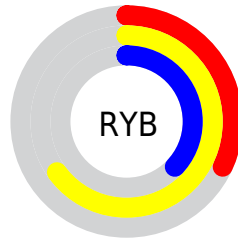
The Yxy color **34.6388, 0.3724, 0.4565** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.0209, 0.2296, 0.1752**, and the grayscale version is **31.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9617, 0.3626, 0.4307**, and **14.8429, 0.3851, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **34.1763, 0.3810, 0.4781**, and if you desaturate by 10%, it is **35.1706, 0.3621, 0.4325**.

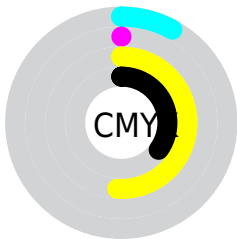
Distribution



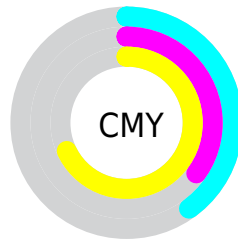
- Red (60%)
- Green (65%)
- Blue (32%)



- Red (32%)
- Yellow (65%)
- Blue (37%)



- Cyan (8%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)




- Cyan (40%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6388, 0.3724, 0.4565 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 34.6388, 0.3724, 0.4565 by changing the saturation by 10% instead.

 34.6388, 0.3724,
0.4565


 34.6388, 0.3724,
0.4565


322.9711, 0.3440,
0.3888


 23.3848, 0.3783,
0.4740


 66.9258, 0.3628,
0.4312

 14.8779, 0.3847,
0.4965


 88.7276, 0.3589,
0.4219


 8.7337, 0.3908,
0.5257


 114.8141, 0.3556,
0.4141

 4.5679, 0.4044,
0.5789

 145.5697, 0.3526,
0.4075

 1.9960, 0.3861,
0.6139

 181.3789, 0.3501,
0.4018

 0.6052, 0.1981,
0.8019

222.6259, 0.3478,

 0.0000, 0.0000,

0.3969

0.0000

269.6952, 0.3458,
0.3926

■ 34.6388, 0.3724,
0.4565

■ 34.6388, 0.3724,
0.4565

■ 34.1763, 0.3810,
0.4781

■ 35.1706, 0.3621,
0.4325

■ 33.7738, 0.3875,
0.4964

■ 35.7711, 0.3507,
0.4072

■ 33.4277, 0.3915,
0.5106

■ 36.4456, 0.3386,
0.3815

■ 33.1320, 0.3930,
0.5204

■ 37.1976, 0.3263,
0.3562

■ 32.9012, 0.3928,
0.5263

■ 38.0302, 0.3141,
0.3318

■ 38.9466, 0.3024,
0.3089

■ 39.9495, 0.2913,
0.2875

■ 41.0418, 0.2810,
0.2678

■ 42.2260, 0.2714,
0.2499

Harmonies

Analogous

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



34.6388, 0.4271, 0.4274



34.6388, 0.3724, 0.4565



34.6388, 0.3050, 0.4444

Triad

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



34.6388, 0.3724, 0.4565



34.6388, 0.1902, 0.2560



34.6388, 0.3796, 0.2779

Complementary

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



34.6388, 0.3724, 0.4565



11.0209, 0.2296, 0.1752

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.



34.6388, 0.3078, 0.2414



34.6388, 0.3724, 0.4565



34.6388, 0.2046, 0.2265

Square

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



34.6388, 0.3724, 0.4565



34.6388, 0.2029, 0.3130



34.6388, 0.2450, 0.2229



34.6388, 0.4352, 0.3262

Rectangle

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



34.6388, 0.3724, 0.4565



34.6388, 0.2621, 0.4097



34.6388, 0.2450, 0.2229



34.6388, 0.3561, 0.2641

Sweetspot

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



34.6404, 0.3724, 0.4565



66.9307, 0.3313, 0.3664



16.6647, 0.4439, 0.3490



14.9160, 0.3338, 0.3716



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.



34.6404, 0.3724, 0.4565



61.9489, 0.3817, 0.4800



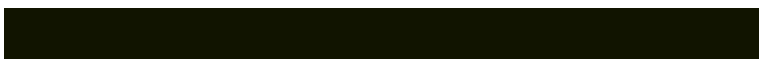
31.2328, 0.3302, 0.4764



8.7148, 0.3239, 0.3515



25.5275, 0.3930, 0.5261



0.6363, 0.4023, 0.5188

Inverse Universe

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



11.0209, 0.2296, 0.1752



14.4102, 0.2087, 0.1399



13.8957, 0.2795, 0.1940



7.3536, 0.3009, 0.3058



2.3130, 0.1573, 0.0640



0.0721, 0.1823, 0.0778

Previews

White Background



This preview shows how the Yxy color 34.6388, 0.3724, 0.4565 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 34.6388, 0.3724, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

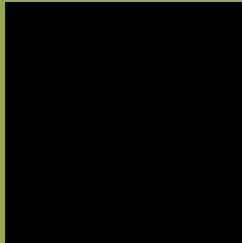
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6388, 0.3724, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 34.6388, 0.3724, 0.4565.



This preview shows how white text looks on a background with the Yxy color 34.6388, 0.3724, 0.4565.

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

34.6388, 0.3724, 0.4565

Protanopia

34.5909, 0.4029, 0.4395

Deuteranopia

34.2584, 0.4233, 0.4149



Tritanopia

34.4280, 0.3078, 0.3103

Trichromacy



Original Color

34.6388, 0.3724, 0.4565

Protanomaly

34.7447, 0.3915, 0.4457

Deuteranomaly

34.0007, 0.4043, 0.4285

Tritanomaly

34.3187, 0.3327, 0.3638

Monochromacy



Original Color

34.6388, 0.3724, 0.4565

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2957, 0.3364, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6388, 0.3724, 0.4565 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, 166, 81)` looks like.

```
.text, #text, p{  
    color:rgb(153, 166, 81)  
}
```

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, 166, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 166, 81) }
```

Border

The CSS property to change the border of an element to Yxy 34.6388, 0.3724, 0.4565 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, 166, 81) }
```

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

```
.border{ border-color:rgb(153, 166, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 166, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 166, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 166, 81);  
box-shadow:4px 4px 4px 4px rgb(153, 166,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6388, 0.3724, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 166, 81) }
```

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

```
.background{ background-color: rgb(153,  
166, 81) }
```

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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