

Converting Colors

$Yxy(33.9609, 0.3546, 0.4453)$

Have a look what the booklet for
Yxy(33.9609, 0.3546, 0.4453)
contains.

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Color

Yxy(33.9744, 0.3548, 0.4453)

Conversions

Conversions Part 1

Format	Color
Hex	90A65C
RGB	144, 166, 92
RGB Percent	56%, 65%, 36%
CMY	0.4353, 0.3490, 0.6393
CMYK	0.13, 0.00, 0.45, 0.35
HSL	78°, 29%, 51%
HSV	78°, 45%, 65%
XYZ	27.0697, 33.9744, 15.2515
YIQ	150.9860, 10.6420, -27.6780

Conversions

Conversions Part 2

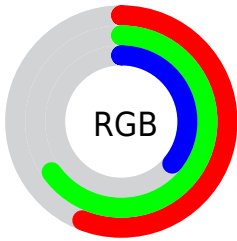
Format	Color
RYB	92, 166, 114
Decimal	9479772
CIELab	64.94, -19.92, 35.69
CIELCh	65, 40.872, 119.172
Yxy	33.9744, 0.3548, 0.4453
Android (android.graphics.Color)	4287669852 (0xFF90A65C)
YUV	150.9860, -29.0801, -6.1267
Hunter-Lab	58.2876, -19.1050, 25.2875

Details

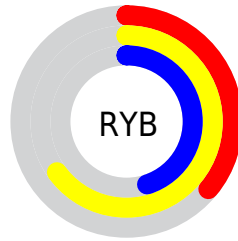
The Yxy color **33.9744, 0.3548, 0.4453** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.9803, 0.2540, 0.2012**, and the grayscale version is **31.0649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8686, 0.3478, 0.4208**, and **14.4844, 0.3639, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **33.2822, 0.3620, 0.4710**, and if you desaturate by 10%, it is **34.7527, 0.3463, 0.4184**.

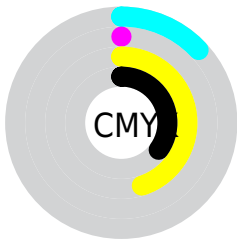
Distribution



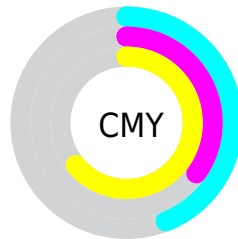
- Red (56%)
- Green (65%)
- Blue (36%)



- Red (36%)
- Yellow (65%)
- Blue (45%)



- Cyan (13%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)




- Cyan (44%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9744, 0.3548, 0.4453 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 33.9744, 0.3548, 0.4453 by changing the saturation by 10% instead.

 33.9744, 0.3548,
0.4453


 33.9744, 0.3548,
0.4453


320.0179, 0.3348,
0.3825

 22.8739, 0.3590,
0.4623


 65.8939, 0.3480,
0.4214


 14.5004, 0.3635,
0.4846


 87.4816, 0.3453,
0.4128

 8.4695, 0.3679,
0.5148


 113.3340, 0.3430,
0.4056

 4.3968, 0.3728,
0.5618

 143.8353, 0.3409,
0.3995

 1.8979, 0.3691,
0.6309

179.3699, 0.3391,
0.3943

 0.5471, 0.0580,
0.9420

220.3223, 0.3375,

 0.0000, 0.0000,

0.3898

0.0000

267.0768, 0.3361,
0.3859

■ 33.9744, 0.3548,
0.4453

■ 33.9744, 0.3548,
0.4453

■ 33.2822, 0.3620,
0.4710

■ 34.7527, 0.3463,
0.4184

■ 32.6670, 0.3674,
0.4944

■ 35.6165, 0.3369,
0.3914

■ 32.1255, 0.3705,
0.5144


■ 36.5712, 0.3271,
0.3651

■ 31.6519, 0.3713,
0.5300

■ 37.6202, 0.3172,
0.3400

■ 31.2394, 0.3696,
0.5410

■ 38.7669, 0.3075,
0.3165

 31.0329, 0.3682,
0.5459

 40.0144, 0.2982,
0.2949

 41.3656, 0.2895,
0.2751

 42.8233, 0.2812,
0.2571

 44.3904, 0.2736,
0.2409

Harmonies

Analogous

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



33.9744, 0.4082, 0.4273



33.9744, 0.3548, 0.4453



33.9744, 0.2930, 0.4237

Triad

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



33.9744, 0.3548, 0.4453



33.9744, 0.2012, 0.2549



33.9744, 0.3866, 0.2917

Complementary

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



33.9744, 0.3548, 0.4453



13.9803, 0.2540, 0.2012

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.



33.9744, 0.3230, 0.2549



33.9744, 0.3548, 0.4453



33.9744, 0.2200, 0.2326

Square

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



33.9744, 0.3548, 0.4453



33.9744, 0.2076, 0.3019



33.9744, 0.2624, 0.2337



33.9744, 0.4302, 0.3380

Rectangle

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



33.9744, 0.3548, 0.4453



33.9744, 0.2555, 0.3880



33.9744, 0.2624, 0.2337



33.9744, 0.3664, 0.2781

Sweetspot

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



33.9759, 0.3548, 0.4453



66.6170, 0.3257, 0.3616



20.6798, 0.4125, 0.3621



14.8203, 0.3278, 0.3671



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.



33.9759, 0.3548, 0.4453



60.3525, 0.3623, 0.4720



31.2354, 0.3200, 0.4594



8.6602, 0.3218, 0.3516



24.0884, 0.3686, 0.5455



0.6106, 0.3862, 0.5316

Inverse Universe

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



13.9803, 0.2540, 0.2012



19.1631, 0.2365, 0.1683



16.8851, 0.2974, 0.2157



7.4046, 0.3031, 0.3060



2.6694, 0.1714, 0.0718



0.0911, 0.2090, 0.0925

Previews

White Background



This preview shows how the Yxy color 33.9744, 0.3548, 0.4453 looks on a white background.

Color Contrast Check

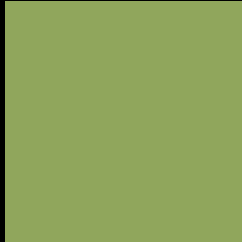
Large Text (above 18pt) WCAG AA × Fail

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 33.9744, 0.3548, 0.4453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

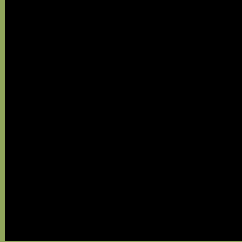
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9744, 0.3548, 0.4453

Background



This preview shows how black text looks on a background with the Yxy color 33.9744, 0.3548, 0.4453.



This preview shows how white text looks on a background with the Yxy color 33.9744, 0.3548, 0.4453.

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

33.9744, 0.3548, 0.4453

Protanopia

33.7194, 0.3929, 0.4261

Deuteranopia

33.6044, 0.4097, 0.4019



Tritanopia

33.8862, 0.2984, 0.3098

Trichromacy



Original Color

33.9744, 0.3548, 0.4453

Protanomaly

33.5612, 0.3784, 0.4331

Deuteranomaly

33.4874, 0.3883, 0.4169

Tritanomaly

33.5786, 0.3191, 0.3568

Monochromacy



Original Color

33.9744, 0.3548, 0.4453

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6845, 0.3288, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9744, 0.3548, 0.4453 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(144, 166, 92)` looks like.

```
.text, #text, p{  
    color:rgb(144, 166, 92)  
}
```

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(144, 166, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 166, 92) }
```

Border

The CSS property to change the border of an element to Yxy 33.9744, 0.3548, 0.4453 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(144, 166, 92) }
```

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

```
.border{ border-color:rgb(144, 166, 92) }
```

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

Here you see how a box with a 4 pixel rgb(144, 166, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 166, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 166, 92);  
box-shadow:4px 4px 4px 4px rgb(144, 166,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9744, 0.3548, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 166, 92) }
```

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

```
.background{ background-color: rgb(144,  
166, 92) }
```

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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