

Converting Colors

$Y_{xy}(33.0790, 0.3530, 0.4374)$

Have a look what the booklet for
Yxy(33.0790, 0.3530, 0.4374)
contains.

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Color

Yxy(32.9499, 0.3537, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	90A35F
RGB	144, 163, 95
RGB Percent	56%, 64%, 37%
CMY	0.4352, 0.3608, 0.6274
CMYK	0.12, 0.00, 0.42, 0.36
HSL	77°, 27%, 51%
HSV	77°, 42%, 64%
XYZ	26.6691, 32.9499, 15.7813
YIQ	149.5670, 10.5040, -25.1760

Conversions

Conversions Part 2

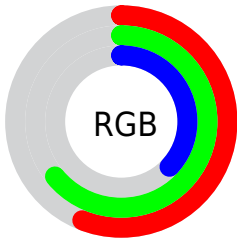
Format	Color
R_{YB}	95, 163, 114
Decimal	9479007
CIE Lab	64.12, -18.01, 33.08
CIE LCh	64, 37.667, 118.565
Yxy	32.9499, 0.3537, 0.4370
Android (android.graphics.Color)	4287669087 (0xFF90A35F)
YUV	149.5670, -26.9015, -4.8823
Hunter-Lab	57.4020, -17.5221, 23.8811

Details

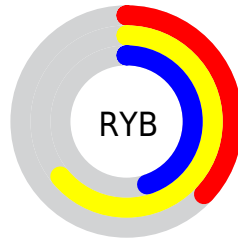
The Yxy color **32.9499, 0.3537, 0.4370** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.4042, 0.2573, 0.2102**, and the grayscale version is **30.4221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3915, 0.3466, 0.4142**, and **13.8494, 0.3626, 0.4733** is the 20% darker color. If you saturate the color by 10%, you get **32.2841, 0.3617, 0.4628**, and if you desaturate by 10%, it is **33.6971, 0.3446, 0.4103**.

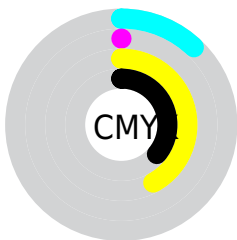
Distribution



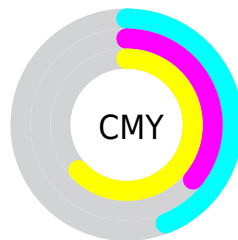
- Red (56%)
- Green (64%)
- Blue (37%)



- Red (37%)
- Yellow (64%)
- Blue (45%)



- Cyan (12%)
- Magenta (0%)
- Yellow (42%)
- Black (36%)





- Cyan (44%)
- Magenta (36%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9499, 0.3537, 0.4370 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 32.9499, 0.3537, 0.4370 by changing the saturation by 10% instead.


 32.9499, 0.3537,
0.4370


 32.9499, 0.3537,
0.4370


315.4239, 0.3338,
0.3784


 22.0881, 0.3580,
0.4529


 64.2973, 0.3468,
0.4147

 13.9216, 0.3630,
0.4741


 85.5517, 0.3441,
0.4066

 8.0662, 0.3682,
0.5030


 111.0390, 0.3418,
0.3999

 4.1373, 0.3740,
0.5473

 141.1437, 0.3398,
0.3942

 1.7507, 0.3778,
0.6222

176.2501, 0.3380,
0.3894

 0.4561, 0.0000,
1.0000

216.7427, 0.3364,

 0.0000, 0.0000,

0.3853

0.0000

263.0058, 0.3351,
0.3816

■ 32.9499, 0.3537,
0.4370

■ 32.9499, 0.3537,
0.4370

■ 32.2841, 0.3617,
0.4628

■ 33.6971, 0.3446,
0.4103

■ 31.6912, 0.3679,
0.4866

■ 34.5252, 0.3347,
0.3836

■ 31.1682, 0.3721,
0.5073


■ 35.4390, 0.3245,
0.3576

■ 30.7100, 0.3739,
0.5240


■ 36.4417, 0.3144,
0.3331


■ 30.3104, 0.3732,
0.5360

■ 37.5365, 0.3046,
0.3101

 30.0123, 0.3713,
0.5434

 38.7262, 0.2952,
0.2890

 40.0137, 0.2864,
0.2697

 41.4015, 0.2781,
0.2522

 42.8922, 0.2705,
0.2364

Harmonies

Analogous

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



32.9499, 0.4031, 0.4206



32.9499, 0.3537, 0.4370



32.9499, 0.2959, 0.4173

Triad

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



32.9499, 0.3537, 0.4370



32.9499, 0.2078, 0.2606



32.9499, 0.3805, 0.2934

Complementary

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



32.9499, 0.3537, 0.4370



14.4042, 0.2573, 0.2102

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.



32.9499, 0.3213, 0.2588



32.9499, 0.3537, 0.4370



32.9499, 0.2252, 0.2389

Square

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



32.9499, 0.3537, 0.4370



32.9499, 0.2145, 0.3053



32.9499, 0.2648, 0.2392



32.9499, 0.4216, 0.3371

Rectangle

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



32.9499, 0.3537, 0.4370



32.9499, 0.2605, 0.3848



32.9499, 0.2648, 0.2392



32.9499, 0.3617, 0.2806

Sweetspot

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



32.9514, 0.3537, 0.4370



63.2128, 0.3261, 0.3615



20.4526, 0.4044, 0.3582



14.1174, 0.3283, 0.3670



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.



32.9514, 0.3537, 0.4370



57.9114, 0.3611, 0.4609



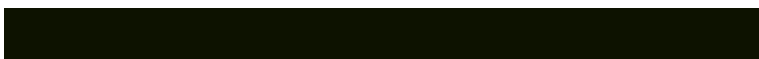
30.3898, 0.3208, 0.4493



8.1375, 0.3221, 0.3515



23.3503, 0.3717, 0.5430



0.5124, 0.3899, 0.5286

Inverse Universe

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



14.4042, 0.2573, 0.2102



20.1865, 0.2418, 0.1807



17.0443, 0.2973, 0.2227



6.9511, 0.3028, 0.3061



2.5170, 0.1693, 0.0706



0.0753, 0.2084, 0.0922

Previews

White Background



This preview shows how the Yxy color 32.9499, 0.3537, 0.4370 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 32.9499, 0.3537, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

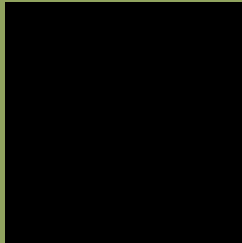
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9499, 0.3537, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 32.9499, 0.3537, 0.4370.



This preview shows how white text looks on a background with the Yxy color 32.9499, 0.3537, 0.4370.

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

32.9499, 0.3537, 0.4370

Protanopia

32.7614, 0.3883, 0.4208

Deuteranopia

32.6264, 0.4059, 0.3978



Tritanopia

33.0050, 0.3001, 0.3111

Trichromacy



Original Color

32.9499, 0.3537, 0.4370

Protanomaly

32.8211, 0.3759, 0.4269

Deuteranomaly

32.3035, 0.3861, 0.4110

Tritanomaly

32.8608, 0.3203, 0.3554

Monochromacy



Original Color

32.9499, 0.3537, 0.4370

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3503, 0.3289, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9499, 0.3537, 0.4370 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, 163, 95)` looks like.

```
.text, #text, p{  
    color:rgb(144, 163, 95)  
}
```

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, 163, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 163, 95) }
```

Border

The CSS property to change the border of an element to Yxy 32.9499, 0.3537, 0.4370 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, 163, 95) }
```

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

```
.border{ border-color:rgb(144, 163, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 163, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 163, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 163, 95);  
box-shadow:4px 4px 4px 4px rgb(144, 163,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9499, 0.3537, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 163, 95) }
```

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

```
.background{ background-color: rgb(144,  
163, 95) }
```

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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