

Converting Colors

$Yxy(31.4917, 0.3374, 0.4452)$

Have a look what the booklet for
Yxy(31.4917, 0.3374, 0.4452)
contains.

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Color

Yxy(31.5146, 0.3372, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	7FA35E
RGB	127, 163, 94
RGB Percent	50%, 64%, 37%
CMY	0.5018, 0.3608, 0.6314
CMYK	0.22, 0.00, 0.42, 0.36
HSL	91°, 27%, 50%
HSV	91°, 42%, 64%
XYZ	23.8749, 31.5146, 15.4139
YIQ	144.3700, 0.6930, -29.0910

Conversions

Conversions Part 2

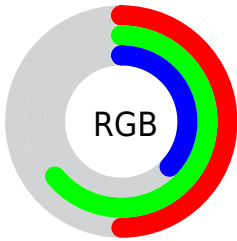
Format	Color
RYB	94, 163, 130
Decimal	8364894
CIELab	62.94, -24.78, 31.87
CIELCh	63, 40.367, 127.866
Yxy	31.5146, 0.3372, 0.4451
Android (android.graphics.Color)	4286554974 (0xFF7FA35E)
YUV	144.3700, -24.8324, -15.2335
Hunter-Lab	56.1379, -22.3269, 23.0171

Details

The Yxy color **31.5146, 0.3372, 0.4451** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3914, 0.2760, 0.2144**, and the grayscale version is **28.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0109, 0.3340, 0.4207**, and **13.1026, 0.3406, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **30.6284, 0.3410, 0.4746**, and if you desaturate by 10%, it is **32.5203, 0.3323, 0.4155**.

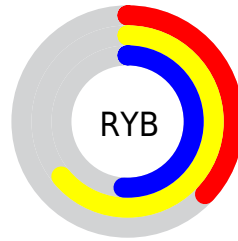
Distribution



Red (50%)

Green (64%)

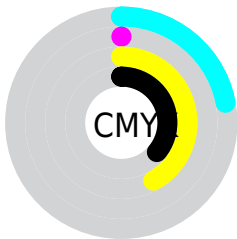
Blue (37%)



Red (37%)

Yellow (64%)

Blue (51%)

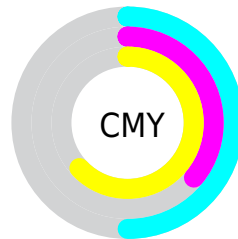


Cyan (22%)

Magenta (0%)

Yellow (42%)

Black (36%)



Cyan (50%)


Magenta (36%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5146, 0.3372, 0.4451 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 31.5146, 0.3372, 0.4451 by changing the saturation by 10% instead.


 31.5146, 0.3372,
0.4451


 31.5146, 0.3372,
0.4451

308.9021, 0.3263,
0.3808


 20.9910, 0.3391,
0.4632


 62.0494, 0.3338,
0.4202

 13.1174, 0.3407,
0.4876


 82.8293, 0.3323,
0.4113

 7.5095, 0.3410,
0.5220


 107.7969, 0.3310,
0.4040

 3.7827, 0.3401,
0.5778

 137.3364, 0.3298,
0.3979

 1.5528, 0.3276,
0.6724

171.8323, 0.3288,
0.3926

 0.3254, 0.0000,
1.0000

211.6689, 0.3278,

 0.0000, 0.0000,

0.3882

0.0000

257.2307, 0.3270,
0.3843

■ 31.5146, 0.3372,
0.4451

■ 31.5146, 0.3372,
0.4451

■ 30.6284, 0.3410,
0.4746

■ 32.5203, 0.3323,
0.4155

■ 29.8524, 0.3432,
0.5026

■ 33.6463, 0.3266,
0.3868

■ 29.1821, 0.3436,
0.5276


■ 34.8984, 0.3204,
0.3596

■ 28.6111, 0.3418,
0.5483


■ 36.2812, 0.3142,
0.3345


■ 28.1319, 0.3381,
0.5636

■ 37.7985, 0.3080,
0.3116

 27.8148, 0.3344,
0.5727

 39.4543, 0.3020,
0.2909

 41.2523, 0.2962,
0.2724

 43.1960, 0.2908,
0.2558

 45.2890, 0.2858,
0.2411

Harmonies

Analogous

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



31.5146, 0.3954, 0.4370



31.5146, 0.3372, 0.4451



31.5146, 0.2755, 0.4110

Triad

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



31.5146, 0.3372, 0.4451



31.5146, 0.2029, 0.2449



31.5146, 0.4034, 0.3041

Complementary

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



31.5146, 0.3372, 0.4451



15.3914, 0.2760, 0.2144

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.



31.5146, 0.3424, 0.2635



31.5146, 0.3372, 0.4451



31.5146, 0.2290, 0.2296

Square

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



31.5146, 0.3372, 0.4451



31.5146, 0.2018, 0.2852



31.5146, 0.2781, 0.2369



31.5146, 0.4379, 0.3522

Rectangle

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



31.5146, 0.3372, 0.4451



31.5146, 0.2407, 0.3698



31.5146, 0.2781, 0.2369



31.5146, 0.3849, 0.2894

Sweetspot

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



31.5160, 0.3372, 0.4451



62.2912, 0.3210, 0.3620



24.4656, 0.3945, 0.3852



13.8800, 0.3223, 0.3677



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.



31.5160, 0.3372, 0.4451



54.9147, 0.3409, 0.4735



29.4010, 0.3059, 0.4546



8.0536, 0.3185, 0.3517



21.6458, 0.3351, 0.5721



0.4829, 0.3646, 0.5487

Inverse Universe

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



15.3914, 0.2760, 0.2144



22.0464, 0.2649, 0.1869



18.3945, 0.3189, 0.2290



7.0329, 0.3065, 0.3063



3.5808, 0.2083, 0.0921



0.1032, 0.2489, 0.1145

Previews

White Background



This preview shows how the Yxy color 31.5146, 0.3372, 0.4451 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 31.5146, 0.3372, 0.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

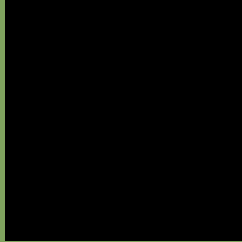
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5146, 0.3372, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 31.5146, 0.3372, 0.4451.



This preview shows how white text looks on a background with the Yxy color 31.5146, 0.3372, 0.4451.

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

31.5146, 0.3372, 0.4451

Protanopia

31.3016, 0.3876, 0.4213

Deuteranopia

31.1999, 0.4035, 0.3952



Tritanopia

31.3045, 0.2861, 0.3088

Trichromacy



Original Color

31.5146, 0.3372, 0.4451

Protanomaly

31.2077, 0.3689, 0.4308

Deuteranomaly

31.1061, 0.3778, 0.4125

Tritanomaly

31.0757, 0.3056, 0.3568

Monochromacy



Original Color

31.5146, 0.3372, 0.4451

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.0428, 0.3230, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5146, 0.3372, 0.4451 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(127, 163, 94)` looks like.

```
.text, #text, p{  
    color:rgb(127, 163, 94)  
}
```

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(127, 163, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 163, 94) }
```

Border

The CSS property to change the border of an element to Yxy 31.5146, 0.3372, 0.4451 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(127, 163, 94) }
```

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

```
.border{ border-color:rgb(127, 163, 94) }
```

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

Here you see how a box with a 4 pixel rgb(127, 163, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 163, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 163, 94);  
box-shadow:4px 4px 4px 4px rgb(127, 163,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5146, 0.3372, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 163, 94) }
```

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

```
.background{ background-color: rgb(127,  
163, 94) }
```

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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