

Converting Colors

$Y_{xy}(31.9774, 0.3735, 0.4667)$

Have a look what the booklet for
Yxy(31.9774, 0.3735, 0.4667)
contains.

Yxy(31.9774, 0.3735, 0.4667)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9774, 0.3735, 0.4667)

Conversions

Conversions Part 1

Format	Color
Hex	91A148
RGB	145, 161, 72
RGB Percent	57%, 63%, 28%
CMY	0.4314, 0.3686, 0.7178
CMYK	0.10, 0.00, 0.55, 0.37
HSL	71°, 38%, 46%
HSV	71°, 55%, 63%
XYZ	25.5915, 31.9774, 10.9492
YIQ	146.0700, 19.0330, -31.0710

Conversions

Conversions Part 2

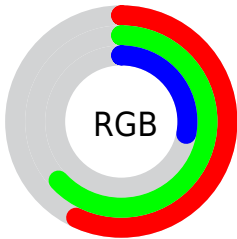
Format	Color
RYB	72, 161, 88
Decimal	9544008
CIELab	63.32, -19.05, 43.76
CIElCh	63, 47.727, 113.523
Yxy	31.9774, 0.3735, 0.4667
Android (android.graphics.Color)	4287734088 (0xFF91A148)
YUV	146.0700, -36.5165, -0.9384
Hunter-Lab	56.5486, -18.1784, 28.1040

Details

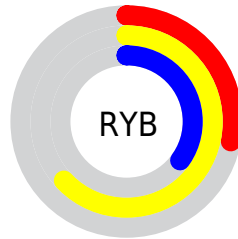
The Yxy color **31.9774, 0.3735, 0.4667** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.2779, 0.2245, 0.1631**, and the grayscale version is **28.9215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9593, 0.3644, 0.4393**, and **13.2631, 0.3854, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **31.5361, 0.3808, 0.4876**, and if you desaturate by 10%, it is **32.4833, 0.3643, 0.4432**.

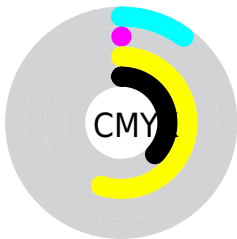
Distribution



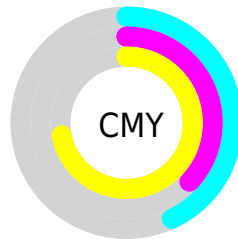
- Red (57%)
- Green (63%)
- Blue (28%)



- Red (28%)
- Yellow (63%)
- Blue (35%)



- Cyan (10%)
- Magenta (0%)
- Yellow (55%)
- Black (37%)



- Cyan (43%)
- Magenta (37%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9774, 0.3735, 0.4667 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 31.9774, 0.3735, 0.4667 by changing the saturation by 10% instead.


 31.9774, 0.3735,
0.4667


 31.9774, 0.3735,
0.4667


311.0163, 0.3447,
0.3926


 21.3442, 0.3791,
0.4861


 62.7757, 0.3639,
0.4389


 13.3759, 0.3849,
0.5109


 83.7095, 0.3600,
0.4287


 7.6879, 0.3894,
0.5430


 108.8458, 0.3566,
0.4202

 3.8959, 0.3993,
0.6007

 138.5688, 0.3536,
0.4129

 1.6155, 0.3680,
0.6320

 173.2630, 0.3510,
0.4068

 0.3680, 0.0000,
1.0000

213.3127, 0.3487,

 0.0000, 0.0000,

0.4014

0.0000

259.1023, 0.3466,
0.3967

■ 31.9774, 0.3735,
0.4667

■ 31.9774, 0.3735,
0.4667

■ 31.5361, 0.3808,
0.4876

■ 32.4833, 0.3643,
0.4432

■ 31.1506, 0.3859,
0.5048

■ 33.0535, 0.3538,
0.4180

■ 30.8172, 0.3884,
0.5179

■ 33.6930, 0.3424,
0.3921

■ 30.5295, 0.3885,
0.5265

■ 34.4051, 0.3306,
0.3665

■ 30.4024, 0.3882,
0.5299

■ 35.1929, 0.3188,
0.3417

■ 36.0594, 0.3074,
0.3181

■ 37.0072, 0.2964,
0.2962

■ 38.0391, 0.2861,
0.2759

■ 39.1574, 0.2765,
0.2574

Harmonies

Analogous

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



31.9774, 0.4332, 0.4349



31.9774, 0.3735, 0.4667



31.9774, 0.3013, 0.4531

Triad

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



31.9774, 0.3735, 0.4667



31.9774, 0.1823, 0.2488



31.9774, 0.3870, 0.2758

Complementary

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



31.9774, 0.3735, 0.4667



9.2779, 0.2245, 0.1631

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.



31.9774, 0.3096, 0.2367



31.9774, 0.3735, 0.4667



31.9774, 0.1985, 0.2190

Square

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



31.9774, 0.3735, 0.4667



31.9774, 0.1945, 0.3086



31.9774, 0.2419, 0.2163



31.9774, 0.4460, 0.3270

Rectangle

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



31.9774, 0.3735, 0.4667



31.9774, 0.2558, 0.4142



31.9774, 0.2419, 0.2163



31.9774, 0.3617, 0.2610

Sweetspot

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



31.9788, 0.3735, 0.4667



61.3447, 0.3330, 0.3716



14.8308, 0.4579, 0.3526



13.4009, 0.3352, 0.3763



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9788, 0.3735, 0.4667



56.3336, 0.3820, 0.4912



28.7630, 0.3293, 0.4894



8.1726, 0.3235, 0.3514



24.2962, 0.3885, 0.5297



0.5263, 0.4004, 0.5203

Inverse Universe

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



9.2779, 0.2245, 0.1631



11.6079, 0.2024, 0.1264



12.0560, 0.2781, 0.1846



6.9183, 0.3013, 0.3060



2.2763, 0.1594, 0.0652



0.0639, 0.1893, 0.0817

Previews

White Background



This preview shows how the Yxy color 31.9774, 0.3735, 0.4667 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 31.9774, 0.3735, 0.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

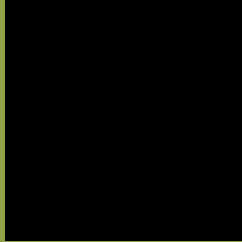
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9774, 0.3735, 0.4667

Background



This preview shows how black text looks on a background with the Yxy color 31.9774, 0.3735, 0.4667.



This preview shows how white text looks on a background with the Yxy color 31.9774, 0.3735, 0.4667.

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

31.9774, 0.3735, 0.4667

Protanopia

31.7707, 0.4081, 0.4460

Deuteranopia

31.7709, 0.4289, 0.4216



Tritanopia

31.7461, 0.3056, 0.3110

Trichromacy



Original Color

31.9774, 0.3735, 0.4667

Protanomaly

31.8089, 0.3951, 0.4533

Deuteranomaly

31.4119, 0.4080, 0.4367

Tritanomaly

31.6337, 0.3321, 0.3684

Monochromacy



Original Color

31.9774, 0.3735, 0.4667

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.5761, 0.3383, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9774, 0.3735, 0.4667 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(145, 161, 72)` looks like.

```
.text, #text, p{  
    color:rgb(145, 161, 72)  
}
```

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(145, 161, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 161, 72) }
```

Border

The CSS property to change the border of an element to Yxy 31.9774, 0.3735, 0.4667 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(145, 161, 72) }
```

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

```
.border{ border-color:rgb(145, 161, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 161, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 161, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 161, 72);  
box-shadow:4px 4px 4px 4px rgb(145, 161,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9774, 0.3735, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 161, 72) }
```

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

```
.background{ background-color: rgb(145,  
161, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor