

Converting Colors

$Y_{xy}(31.7675, 0.4334, 0.4941)$

Have a look what the booklet for
Yxy(31.7675, 0.4334, 0.4941)
contains.

Yxy(31.7675, 0.4334, 0.4941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.7675, 0.4334, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	A89B00
RGB	168, 155, 0
RGB Percent	66%, 61%, 0%
CMY	0.3413, 0.3921, 1.0000
CMYK	0.00, 0.08, 1.00, 0.34
HSL	55°, 100%, 33%
HSV	55°, 100%, 66%
XYZ	27.8649, 31.7675, 4.6613
YIQ	141.2170, 57.5030, -45.4490

Conversions

Conversions Part 2

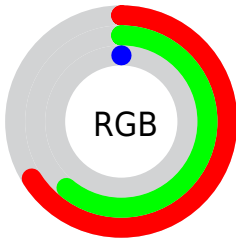
Format	Color
R _Y B	14, 168, 0
Decimal	11049728
CIE Lab	63.15, -9.01, 66.50
CIE LCh	63, 67.109, 97.714
Yxy	31.7675, 0.4334, 0.4941
Android (android.graphics.Color)	4289239808 (0xFFA89B00)
YUV	141.2170, -69.6200, 23.4887
Hunter-Lab	56.3627, -10.3869, 34.5505

Details

The Yxy color **31.7675, 0.4334, 0.4941** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1127, 0.1515, 0.0654**, and the grayscale version is **26.9873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4262, 0.4166, 0.4668**, and **13.2801, 0.4302, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **31.7691, 0.4334, 0.4941**, and if you desaturate by 10%, it is **32.2426, 0.4291, 0.4909**.

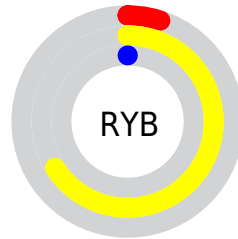
Distribution



Red (66%)

Green (61%)

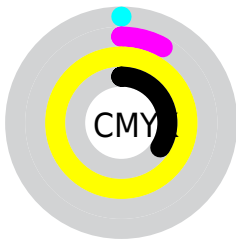
Blue (0%)



Red (5%)

Yellow (66%)

Blue (0%)

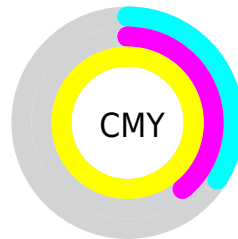


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7675, 0.4334, 0.4941 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 31.7675, 0.4334, 0.4941 by changing the saturation by 10% instead.

31.7675, 0.4334,
0.4941

31.7675, 0.4334,
0.4941

310.0588, 0.3789,
0.4138

21.1840, 0.4420,
0.5099

62.4464, 0.4167,
0.4673

13.2585, 0.4503,
0.5277

83.3106, 0.4093,
0.4563

7.6068, 0.4548,
0.5452

108.3705, 0.4027,
0.4468

3.8444, 0.4464,
0.5536

138.0104, 0.3968,
0.4385

1.5869, 0.4319,
0.5681

172.6148, 0.3916,
0.4311

0.3488, 0.2424,
0.7576

212.5681, 0.3869,

0.0000, 0.0000,

0.4247

0.0000

258.2546, 0.3827,
0.4189

31.7675, 0.4334,
0.4941

31.7675, 0.4334,
0.4941

31.7691, 0.4334,
0.4941

32.2426, 0.4291,
0.4909

32.7541, 0.4226,
0.4843

33.3176, 0.4136,
0.4734

33.9390, 0.4021,
0.4585

34.6236, 0.3887,
0.4402

■ 35.3760, 0.3740,
0.4195

■ 36.2004, 0.3585,
0.3971

■ 37.1005, 0.3428,
0.3742

■ 38.0799, 0.3275,
0.3513

Harmonies

Analogous

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



31.7675, 0.5007, 0.4245



31.7675, 0.4334, 0.4941



31.7675, 0.3414, 0.5276

Triad

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



31.7675, 0.4334, 0.4941



31.7675, 0.1442, 0.2520



31.7675, 0.3577, 0.2279

Complementary

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



31.7675, 0.4334, 0.4941



3.1127, 0.1515, 0.0654

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.



31.7675, 0.2544, 0.1903



31.7675, 0.4334, 0.4941



31.7675, 0.1475, 0.1958

Square

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



31.7675, 0.4334, 0.4941



31.7675, 0.1762, 0.3552



31.7675, 0.1832, 0.1783



31.7675, 0.4622, 0.2850

Rectangle

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



31.7675, 0.4334, 0.4941



31.7675, 0.2772, 0.5032



31.7675, 0.1832, 0.1783



31.7675, 0.3208, 0.2128

Sweetspot

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



31.7691, 0.4334, 0.4941



65.6309, 0.3594, 0.3984



8.3532, 0.6300, 0.3244



14.1703, 0.3656, 0.4075



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.



31.7691, 0.4334, 0.4941



57.5289, 0.4337, 0.4939



30.5899, 0.3491, 0.5610



8.6733, 0.3264, 0.3496



24.0340, 0.4332, 0.4942



0.6128, 0.4282, 0.4982

Inverse Universe

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



3.1127, 0.1515, 0.0654



5.5285, 0.1512, 0.0642



4.1277, 0.1879, 0.0809



7.3901, 0.2986, 0.3075



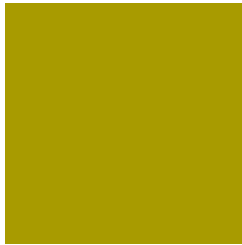
2.3838, 0.1517, 0.0662



0.0861, 0.1593, 0.0933

Previews

White Background



This preview shows how the Yxy color 31.7675, 0.4334, 0.4941 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 31.7675, 0.4334, 0.4941 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 31.7675, 0.4334, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 31.7675, 0.4334, 0.4941.

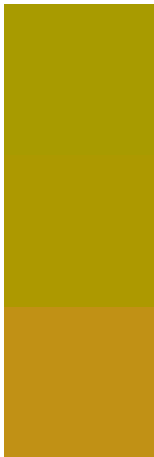


This preview shows how white text looks on a background with the Yxy color 31.7675, 0.4334, 0.4941.

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

31.7675, 0.4334, 0.4941

Protanopia

31.6667, 0.4411, 0.4880

Deuteranopia

31.6424, 0.4674, 0.4585



Tritanopia

31.6602, 0.3368, 0.3134

Trichromacy



Original Color

31.7675, 0.4334, 0.4941

Protanomaly

31.7691, 0.4378, 0.4906

Deuteranomaly

31.7143, 0.4552, 0.4720

Tritanomaly

31.0793, 0.3905, 0.4006

Monochromacy



Original Color

31.7675, 0.4334, 0.4941

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.8753, 0.3742, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7675, 0.4334, 0.4941 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(168, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 155, 0)  
}
```

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(168, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.7675, 0.4334, 0.4941 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(168, 155, 0) }
```

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

```
.border{ border-color:rgb(168, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7675, 0.4334, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 155, 0) }
```

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

```
.background{ background-color: rgb(168,  
155, 0) }
```

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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