

Converting Colors

$Y_{xy}(31.0385, 0.4357, 0.4753)$

Have a look what the booklet for
Yxy(31.0385, 0.4357, 0.4753)
contains.

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Color

Yxy(31.1164, 0.4361, 0.4753)

Conversions

Conversions Part 1

Format	Color
Hex	AD971F
RGB	173, 151, 31
RGB Percent	68%, 59%, 12%
CMY	0.3215, 0.4078, 0.8783
CMYK	0.00, 0.13, 0.82, 0.32
HSL	51°, 70%, 40%
HSV	51°, 82%, 68%
XYZ	28.5501, 31.1164, 5.8004
YIQ	143.8980, 51.6320, -32.6560

Conversions

Conversions Part 2

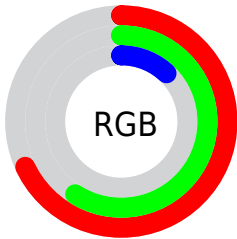
Format	Color
RYB	57, 173, 31
Decimal	11376415
CIELab	62.61, -3.96, 60.27
CIELCh	63, 60.403, 93.760
Yxy	31.1164, 0.4361, 0.4753
Android (android.graphics.Color)	4289566495 (0xFFAD971F)
YUV	143.8980, -55.6587, 25.5225
Hunter-Lab	55.7821, -6.2597, 32.8823

Details

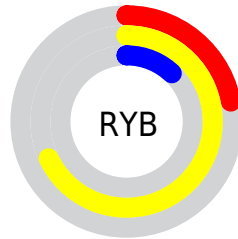
The Yxy color **31.1164, 0.4361, 0.4753** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.8611, 0.1693, 0.1057**, and the grayscale version is **28.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5066, 0.4172, 0.4515**, and **13.0204, 0.4430, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **30.1960, 0.4443, 0.4800**, and if you desaturate by 10%, it is **32.1084, 0.4251, 0.4662**.

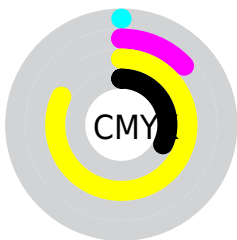
Distribution



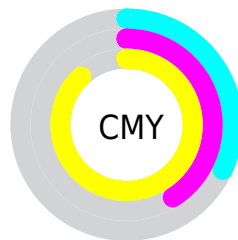
- Red (68%)
- Green (59%)
- Blue (12%)



- Red (22%)
- Yellow (68%)
- Blue (12%)



- Cyan (0%)
- Magenta (13%)
- Yellow (82%)
- Black (32%)





- Cyan (32%)
- Magenta (41%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1164, 0.4361, 0.4753 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 31.1164, 0.4361, 0.4753 by changing the saturation by 10% instead.

 31.1164, 0.4361,
0.4753


 31.1164, 0.4361,
0.4753


307.0742, 0.3774,
0.4037


 20.6875, 0.4472,
0.4899


 61.4233, 0.4169,
0.4511

 12.8958, 0.4583,
0.5056


 82.0701, 0.4089,
0.4413

 7.3568, 0.4730,
0.5270


 106.8916, 0.4019,
0.4328

 3.6862, 0.4693,
0.5307

 136.2722, 0.3957,
0.4254

 1.4996, 0.4629,
0.5371

 170.5964, 0.3903,
0.4189

 0.2885, 0.3809,
0.6191

 210.2486, 0.3855,

 0.0000, 0.0000,

0.4132

0.0000

255.6130, 0.3813,
0.4082

■ 31.1164, 0.4361,
0.4753

■ 31.1164, 0.4361,
0.4753

■ 30.1960, 0.4443,
0.4800

■ 32.1084, 0.4251,
0.4662

■ 29.5008, 0.4494,
0.4814

■ 33.1744, 0.4117,
0.4529

■ 34.3220, 0.3966,
0.4362

■ 35.5563, 0.3803,
0.4171

■ 36.8820, 0.3636,
0.3964

■ 38.3033, 0.3470,
0.3750

■ 39.8241, 0.3309,
0.3538

■ 41.4482, 0.3157,
0.3331

■ 43.1790, 0.3016,
0.3135

Harmonies

Analogous

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



31.1164, 0.4913, 0.4117



31.1164, 0.4361, 0.4753



31.1164, 0.3534, 0.5085

Triad

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



31.1164, 0.4361, 0.4753



31.1164, 0.1587, 0.2701



31.1164, 0.3409, 0.2298

Complementary

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



31.1164, 0.4361, 0.4753



5.8611, 0.1693, 0.1057

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.



31.1164, 0.2491, 0.1974



31.1164, 0.4361, 0.4753



31.1164, 0.1571, 0.2115

Square

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



31.1164, 0.4361, 0.4753



31.1164, 0.1945, 0.3683



31.1164, 0.1868, 0.1898



31.1164, 0.4376, 0.2817

Rectangle

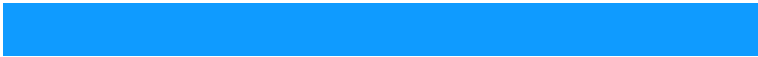
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.1164, 0.4361, 0.4753



31.1164, 0.2937, 0.4922



31.1164, 0.1868, 0.1898



31.1164, 0.3080, 0.2165

Sweetspot

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



31.1179, 0.4361, 0.4753



67.7085, 0.3525, 0.3823



10.1410, 0.5559, 0.3062



14.5271, 0.3582, 0.3895



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.1179, 0.4361, 0.4753



52.8786, 0.4489, 0.4808



34.4032, 0.3663, 0.5306



9.1155, 0.3266, 0.3480



21.7370, 0.4490, 0.4816



0.6607, 0.4387, 0.4898

Inverse Universe

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



5.8611, 0.1693, 0.1057



6.8566, 0.1543, 0.0741



5.6352, 0.1970, 0.0991



7.9503, 0.2986, 0.3092



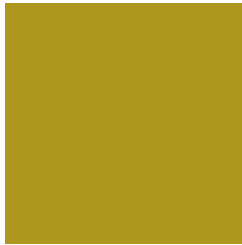
2.8424, 0.1541, 0.0748



0.1389, 0.1667, 0.1201

Previews

White Background



This preview shows how the Yxy color 31.1164, 0.4361, 0.4753 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 31.1164, 0.4361, 0.4753 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 31.1164, 0.4361, 0.4753

Background



This preview shows how black text looks on a background with the Yxy color 31.1164, 0.4361, 0.4753.



This preview shows how white text looks on a background with the Yxy color 31.1164, 0.4361, 0.4753.

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

31.1164, 0.4361, 0.4753

Protanopia

31.2133, 0.4328, 0.4779

Deuteranopia

31.1442, 0.4614, 0.4525



Tritanopia

31.1405, 0.3449, 0.3136

Trichromacy



Original Color

31.1164, 0.4361, 0.4753

Protanomaly

31.3261, 0.4339, 0.4771

Deuteranomaly

31.1733, 0.4511, 0.4612

Tritanomaly

30.7985, 0.3876, 0.3827

Monochromacy



Original Color

31.1164, 0.4361, 0.4753

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.8153, 0.3656, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1164, 0.4361, 0.4753 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(173, 151, 31)` looks like.

```
.text, #text, p{  
    color:rgb(173, 151, 31)  
}
```

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(173, 151, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 151, 31) }
```

Border

The CSS property to change the border of an element to Yxy 31.1164, 0.4361, 0.4753 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(173, 151, 31) }
```

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

```
.border{ border-color:rgb(173, 151, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 151, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 151, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 151, 31);  
box-shadow:4px 4px 4px 4px rgb(173, 151,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1164, 0.4361, 0.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 151, 31) }
```

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

```
.background{ background-color: rgb(173,  
151, 31) }
```

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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