

Converting Colors

$Y_{xy}(31.1305, 0.4273, 0.4922)$

Have a look what the booklet for
Yxy(31.1305, 0.4273, 0.4922)
contains.

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Color

Yxy(31.0411, 0.4275, 0.4922)

Conversions

Conversions Part 1

Format	Color
Hex	A49A10
RGB	164, 154, 16
RGB Percent	64%, 60%, 6%
CMY	0.3568, 0.3961, 0.9369
CMYK	0.00, 0.06, 0.90, 0.36
HSL	56°, 82%, 35%
HSV	56°, 90%, 64%
XYZ	26.9607, 31.0411, 5.0642
YIQ	141.2580, 50.2580, -40.7980

Conversions

Conversions Part 2

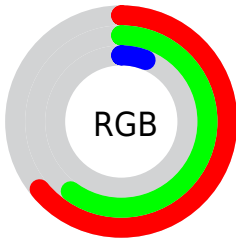
Format	Color
RYB	27, 164, 16
Decimal	10787344
CIELab	62.54, -10.02, 63.49
CIELCh	63, 64.278, 98.968
Yxy	31.0411, 0.4275, 0.4922
Android (android.graphics.Color)	4288977424 (0xFFA49A10)
YUV	141.2580, -61.7522, 19.9447
Hunter-Lab	55.7145, -11.1228, 33.6110

Details

The Yxy color **31.0411, 0.4275, 0.4922** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.5350, 0.1576, 0.0764**, and the grayscale version is **26.9806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2059, 0.4108, 0.4649**, and **12.8886, 0.4272, 0.4990** is the 20% darker color. If you saturate the color by 10%, you get **30.6470, 0.4315, 0.4956**, and if you desaturate by 10%, it is **31.4799, 0.4213, 0.4855**.

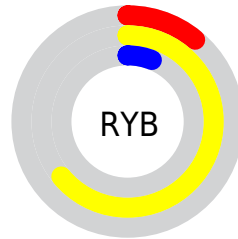
Distribution



Red (64%)

Green (60%)

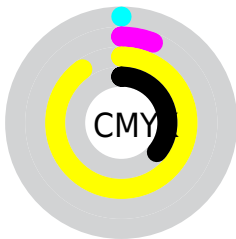
Blue (6%)



Red (11%)

Yellow (64%)

Blue (6%)

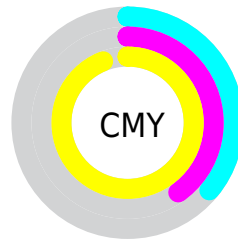


Cyan (0%)

Magenta (6%)

Yellow (90%)

Black (36%)



Cyan (36%)

Magenta (40%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0411, 0.4275, 0.4922 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 31.0411, 0.4275, 0.4922 by changing the saturation by 10% instead.

31.0411, 0.4275,
0.4922

31.0411, 0.4275,
0.4922

306.7276, 0.3750,
0.4113

20.6301, 0.4362,
0.5089

61.3048, 0.4111,
0.4646

12.8539, 0.4441,
0.5276

81.9263, 0.4040,
0.4536

7.3280, 0.4507,
0.5493

106.7201, 0.3977,
0.4440

3.6681, 0.4409,
0.5591

136.0706, 0.3920,
0.4357

1.4897, 0.4242,
0.5758

170.3622, 0.3870,
0.4284

0.2814, 0.0753,
0.9247

209.9793, 0.3825,

0.0000, 0.0000,

0.4220

0.0000

255.3063, 0.3786,
0.4163

31.0411, 0.4275,
0.4922

31.0411, 0.4275,
0.4922

30.6470, 0.4315,
0.4956

31.4799, 0.4213,
0.4855

31.9651, 0.4126,
0.4746

32.5041, 0.4014,
0.4596

33.1018, 0.3883,
0.4413

33.7625, 0.3738,
0.4205

■ 34.4902, 0.3585,
0.3981

■ 35.2883, 0.3430,
0.3749

■ 36.1603, 0.3277,
0.3519

■ 37.1092, 0.3130,
0.3294

Harmonies

Analogous

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



31.0411, 0.4936, 0.4262



31.0411, 0.4275, 0.4922



31.0411, 0.3376, 0.5202

Triad

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



31.0411, 0.4275, 0.4922



31.0411, 0.1482, 0.2517



31.0411, 0.3609, 0.2328

Complementary

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



31.0411, 0.4275, 0.4922



3.5350, 0.1576, 0.0764

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.



31.0411, 0.2600, 0.1950



31.0411, 0.4275, 0.4922



31.0411, 0.1526, 0.1984

Square

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



31.0411, 0.4275, 0.4922



31.0411, 0.1783, 0.3498



31.0411, 0.1890, 0.1822



31.0411, 0.4605, 0.2893

Rectangle

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



31.0411, 0.4275, 0.4922



31.0411, 0.2752, 0.4933



31.0411, 0.1890, 0.1822



31.0411, 0.3252, 0.2177

Sweetspot

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



31.0426, 0.4275, 0.4922



62.9742, 0.3544, 0.3919



8.3527, 0.6049, 0.3216



13.6694, 0.3593, 0.3993



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.



31.0426, 0.4275, 0.4922



55.5001, 0.4318, 0.4954



29.4383, 0.3531, 0.5501



8.1548, 0.3263, 0.3498



23.5241, 0.4314, 0.4957



0.5171, 0.4266, 0.4995

Inverse Universe

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



3.5350, 0.1576, 0.0764



5.1927, 0.1510, 0.0636



4.6623, 0.1995, 0.0929



6.9333, 0.2987, 0.3074



2.2686, 0.1516, 0.0656



0.0694, 0.1586, 0.0909

Previews

White Background



This preview shows how the Yxy color 31.0411, 0.4275, 0.4922 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 31.0411, 0.4275, 0.4922 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 31.0411, 0.4275, 0.4922

Background



This preview shows how black text looks on a background with the Yxy color 31.0411, 0.4275, 0.4922.



This preview shows how white text looks on a background with the Yxy color 31.0411, 0.4275, 0.4922.

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

31.0411, 0.4275, 0.4922

Protanopia

31.1489, 0.4376, 0.4849

Deuteranopia

30.7959, 0.4662, 0.4559



Tritanopia

30.8623, 0.3337, 0.3132

Trichromacy



Original Color

31.0411, 0.4275, 0.4922

Protanomaly

31.1418, 0.4332, 0.4883

Deuteranomaly

30.7491, 0.4523, 0.4693

Tritanomaly

30.4130, 0.3816, 0.3933

Monochromacy



Original Color

31.0411, 0.4275, 0.4922

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.7919, 0.3661, 0.4105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0411, 0.4275, 0.4922 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(164, 154, 16)` looks like.

```
.text, #text, p{  
    color:rgb(164, 154, 16)  
}
```

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(164, 154, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 154, 16) }
```

Border

The CSS property to change the border of an element to Yxy 31.0411, 0.4275, 0.4922 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(164, 154, 16) }
```

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

```
.border{ border-color:rgb(164, 154, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 154, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 154, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 154, 16);  
box-shadow:4px 4px 4px 4px rgb(164, 154,  
16) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.0411, 0.4275, 0.4922$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 154, 16) }
```

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

```
.background{ background-color: rgb(164,  
154, 16) }
```

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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