

Converting Colors

$Y_{xy}(31.2495, 0.4299, 0.4909)$

Have a look what the booklet for
Yxy(31.2495, 0.4299, 0.4909)
contains.

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Color

Yxy(31.2527, 0.4299, 0.4909)

Conversions

Conversions Part 1

Format	Color
Hex	A69A0F
RGB	166, 154, 15
RGB Percent	65%, 60%, 6%
CMY	0.3490, 0.3961, 0.9411
CMYK	0.00, 0.07, 0.91, 0.35
HSL	55°, 83%, 35%
HSV	55°, 91%, 65%
XYZ	27.3692, 31.2527, 5.0422
YIQ	141.7420, 51.7710, -40.6850

Conversions

Conversions Part 2

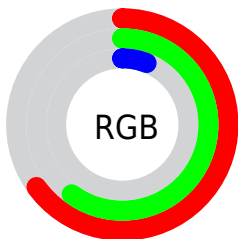
Format	Color
R_{YB}	28, 166, 15
Decimal	10918415
CIE _{Lab}	62.72, -9.14, 63.90
CIE _{LCh}	63, 64.554, 98.137
Yxy	31.2527, 0.4299, 0.4909
Android (android.graphics.Color)	4289108495 (0xFFA69A0F)
YUV	141.7420, -62.4838, 21.2743
Hunter-Lab	55.9041, -10.4433, 33.7853

Details

The Yxy color **31.2527, 0.4299, 0.4909** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.6403, 0.1573, 0.0766**, and the grayscale version is **27.1813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6838, 0.4133, 0.4634**, and **13.0155, 0.4303, 0.4965** is the 20% darker color. If you saturate the color by 10%, you get **30.8273, 0.4338, 0.4937**, and if you desaturate by 10%, it is **31.7601, 0.4236, 0.4847**.

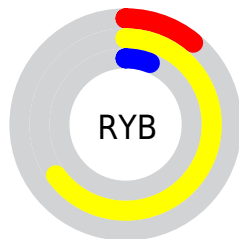
Distribution



Red (65%)

Green (60%)

Blue (6%)



Red (11%)

Yellow (65%)

Blue (6%)

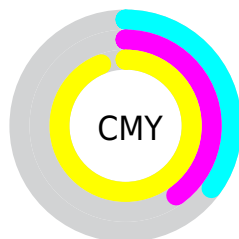


Cyan (0%)

Magenta (7%)

Yellow (91%)

Black (35%)



Cyan (35%)


Magenta (40%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2527, 0.4299, 0.4909 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 31.2527, 0.4299, 0.4909 by changing the saturation by 10% instead.


 31.2527, 0.4299,
0.4909


 31.2527, 0.4299,
0.4909


307.7008, 0.3762,
0.4111

 20.7913, 0.4388,
0.5072


 61.6377, 0.4131,
0.4639

 12.9716, 0.4471,
0.5253


 82.3301, 0.4058,
0.4530


 7.4090, 0.4541,
0.5459


 107.2017, 0.3994,
0.4435

 3.7192, 0.4453,
0.5547

 136.6369, 0.3936,
0.4353

 1.5177, 0.4303,
0.5697

 171.0200, 0.3885,
0.4281

 0.3012, 0.1735,
0.8265

 210.7354, 0.3839,

 0.0000, 0.0000,

0.4217

0.0000

256.1675, 0.3799,
0.4161

31.2527, 0.4299,
0.4909

31.2527, 0.4299,
0.4909

30.8273, 0.4338,
0.4937

31.7601, 0.4236,
0.4847

32.3161, 0.4147,
0.4742

32.9283, 0.4034,
0.4597

33.6018, 0.3901,
0.4417

34.3412, 0.3754,
0.4212

■ 35.1504, 0.3600,
0.3991

■ 36.0334, 0.3443,
0.3762

■ 36.9933, 0.3289,
0.3533

■ 38.0336, 0.3141,
0.3311

Harmonies

Analogous

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



31.2527, 0.4952, 0.4243



31.2527, 0.4299, 0.4909



31.2527, 0.3402, 0.5208

Triad

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



31.2527, 0.4299, 0.4909



31.2527, 0.1483, 0.2537



31.2527, 0.3580, 0.2313

Complementary

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



31.2527, 0.4299, 0.4909



3.6403, 0.1573, 0.0766

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.



31.2527, 0.2575, 0.1941



31.2527, 0.4299, 0.4909



31.2527, 0.1518, 0.1991

Square

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



31.2527, 0.4299, 0.4909



31.2527, 0.1795, 0.3531



31.2527, 0.1874, 0.1820



31.2527, 0.4585, 0.2875

Rectangle

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



31.2527, 0.4299, 0.4909



31.2527, 0.2777, 0.4957



31.2527, 0.1874, 0.1820



31.2527, 0.3223, 0.2164

Sweetspot

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



31.2542, 0.4299, 0.4909



64.3250, 0.3546, 0.3912



8.5321, 0.6075, 0.3219



14.2808, 0.3597, 0.3987



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.



31.2542, 0.4299, 0.4909



55.7970, 0.4341, 0.4935



30.1994, 0.3528, 0.5512



8.6702, 0.3264, 0.3496



23.9340, 0.4337, 0.4938



0.6112, 0.4284, 0.4980

Inverse Universe

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



3.6403, 0.1573, 0.0766



5.4050, 0.1512, 0.0644



4.7126, 0.1984, 0.0918



7.3929, 0.2986, 0.3076



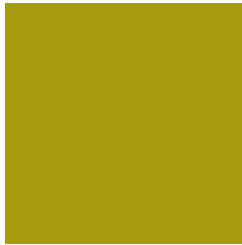
2.3921, 0.1518, 0.0664



0.0872, 0.1595, 0.0943

Previews

White Background



This preview shows how the Yxy color 31.2527, 0.4299, 0.4909 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 Xy color 31.2527, 0.4299, 0.4909 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 31.2527, 0.4299, 0.4909

Background



This preview shows how black text looks on a background with the Yxy color 31.2527, 0.4299, 0.4909.



This preview shows how white text looks on a background with the Yxy color 31.2527, 0.4299, 0.4909.

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

31.2527, 0.4299, 0.4909

Protanopia

31.1461, 0.4378, 0.4852

Deuteranopia

31.2232, 0.4663, 0.4566



Tritanopia

31.0920, 0.3359, 0.3133

Trichromacy



Original Color

31.2527, 0.4299, 0.4909

Protanomaly

31.2492, 0.4345, 0.4878

Deuteranomaly

31.3012, 0.4535, 0.4692

Tritanomaly

30.6174, 0.3849, 0.3942

Monochromacy



Original Color

31.2527, 0.4299, 0.4909

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.9816, 0.3684, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2527, 0.4299, 0.4909 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(166, 154, 15)` looks like.

```
.text, #text, p{  
    color:rgb(166, 154, 15)  
}
```

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(166, 154, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 154, 15) }
```

Border

The CSS property to change the border of an element to Yxy 31.2527, 0.4299, 0.4909 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(166, 154, 15) }
```

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

```
.border{ border-color:rgb(166, 154, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 154, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 154, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 154, 15);  
box-shadow:4px 4px 4px 4px rgb(166, 154,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2527, 0.4299, 0.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 154, 15) }
```

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

```
.background{ background-color: rgb(166,  
154, 15) }
```

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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