

Converting Colors

$Y_{xy}(30.7149, 0.4264, 0.4996)$

Have a look what the booklet for
Yxy(30.7149, 0.4264, 0.4996)
contains.

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Color

Yxy(30.6883, 0.4270, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	A19A00
RGB	161, 154, 0
RGB Percent	63%, 60%, 0%
CMY	0.3686, 0.3961, 0.9994
CMYK	0.00, 0.04, 1.00, 0.37
HSL	57°, 100%, 32%
HSV	57°, 100%, 63%
XYZ	26.2551, 30.6883, 4.5439
YIQ	138.5370, 53.6060, -46.4100

Conversions

Conversions Part 2

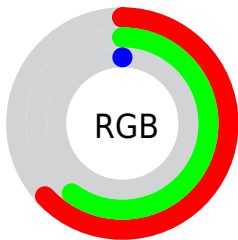
Format	Color
R_{YB}	7, 161, 0
Decimal	10590720
CIE _{Lab}	62.24, -11.62, 65.53
CIE _{LCh}	62, 66.553, 100.059
Yxy	30.6883, 0.4270, 0.4991
Android (android.graphics.Color)	4288780800 (0xFFA19A00)
YUV	138.5370, -68.2987, 19.7001
Hunter-Lab	55.3970, -12.3458, 33.9147

Details

The Yxy color **30.6883, 0.4270, 0.4991** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7300, 0.1510, 0.0633**, and the grayscale version is **25.8914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6529, 0.4111, 0.4707**, and **12.7038, 0.4225, 0.5027** is the 20% darker color. If you saturate the color by 10%, you get **30.6871, 0.4270, 0.4991**, and if you desaturate by 10%, it is **30.9597, 0.4234, 0.4953**.

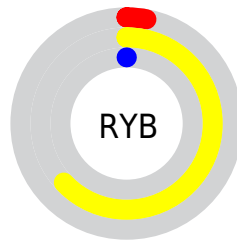
Distribution



Red (63%)

Green (60%)

Blue (0%)



Red (3%)

Yellow (63%)

Blue (0%)

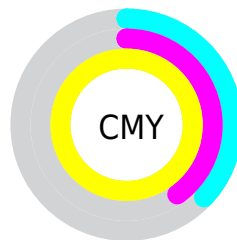


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6883, 0.4270, 0.4991 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 30.6883, 0.4270, 0.4991 by changing the saturation by 10% instead.


 30.6883, 0.4270,
0.4991


 30.6883, 0.4270,
0.4991


305.0997, 0.3756,
0.4148


 20.3616, 0.4348,
0.5163


 60.7490, 0.4114,
0.4705


 12.6582, 0.4421,
0.5363


 81.2518, 0.4045,
0.4590

 7.1936, 0.4444,
0.5556

 105.9154, 0.3982,
0.4490


 3.5835, 0.4329,
0.5671

 135.1243, 0.3927,
0.4403

 1.4434, 0.4129,
0.5871

 169.2627, 0.3877,
0.4327


 0.2484, 0.0000,
1.0000


 208.7152, 0.3832,


 0.0000, 0.0000,

0.4260

0.0000

 253.8661, 0.3792,
0.4201

 30.6883, 0.4270,
0.4991

 30.6883, 0.4270,
0.4991


 30.6871, 0.4270,
0.4991

 30.9597, 0.4234,
0.4953

 31.2612, 0.4178,
0.4882

 31.6070, 0.4096,
0.4769

 32.0025, 0.3991,
0.4617

 32.4525, 0.3865,
0.4430

■ 32.9610, 0.3725,
0.4218

■ 33.5318, 0.3575,
0.3989

■ 34.1683, 0.3423,
0.3753

■ 34.8736, 0.3272,
0.3517

Harmonies

Analogous

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



30.6883, 0.4974, 0.4304



30.6883, 0.4270, 0.4991



30.6883, 0.3337, 0.5277

Triad

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



30.6883, 0.4270, 0.4991



30.6883, 0.1428, 0.2456



30.6883, 0.3666, 0.2315

Complementary

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



30.6883, 0.4270, 0.4991



2.7300, 0.1510, 0.0633

Split Complementary

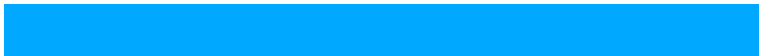
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.6883, 0.2613, 0.1920



30.6883, 0.4270, 0.4991



30.6883, 0.1487, 0.1928

Square

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



30.6883, 0.4270, 0.4991



30.6883, 0.1719, 0.3457



30.6883, 0.1871, 0.1778



30.6883, 0.4693, 0.2899

Rectangle

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



30.6883, 0.4270, 0.4991



30.6883, 0.2697, 0.4981



30.6883, 0.1871, 0.1778



30.6883, 0.3294, 0.2158

Sweetspot

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



30.6898, 0.4270, 0.4991



59.9771, 0.3586, 0.4005



7.5991, 0.6337, 0.3266



13.0631, 0.3645, 0.4096



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.



30.6898, 0.4270, 0.4991



54.8764, 0.4272, 0.4990



27.5973, 0.3444, 0.5647



8.1841, 0.3263, 0.3503



24.5230, 0.4270, 0.4992



0.5303, 0.4239, 0.5016

Inverse Universe

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



2.7300, 0.1510, 0.0633



4.8060, 0.1507, 0.0623



3.9755, 0.1941, 0.0844



6.9071, 0.2987, 0.3068



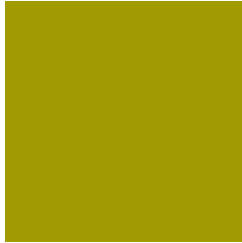
2.1925, 0.1510, 0.0636



0.0601, 0.1557, 0.0803

Previews

White Background



This preview shows how the Yxy color 30.6883, 0.4270, 0.4991 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 30.6883, 0.4270, 0.4991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

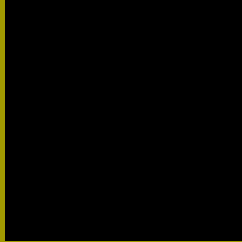
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6883, 0.4270, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 30.6883, 0.4270, 0.4991.



This preview shows how white text looks on a background with the Yxy color 30.6883, 0.4270, 0.4991.

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

30.6883, 0.4270, 0.4991

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.6500, 0.4665, 0.4583



Tritanopia

30.6359, 0.3316, 0.3131

Trichromacy



Original Color

30.6883, 0.4270, 0.4991

Protanomaly

30.6720, 0.4359, 0.4921

Deuteranomaly

30.4828, 0.4523, 0.4737

Tritanomaly

29.9648, 0.3842, 0.4029

Monochromacy



Original Color

30.6883, 0.4270, 0.4991

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8708, 0.3717, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6883, 0.4270, 0.4991 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(161, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 154, 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(161, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.6883, 0.4270, 0.4991 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(161, 154, 0) }
```

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

```
.border{ border-color:rgb(161, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6883, 0.4270, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 154, 0) }
```

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

```
.background{ background-color: rgb(161,  
154, 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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