

Converting Colors

$Y_{xy}(30.6991, 0.4336, 0.4989)$

Have a look what the booklet for
Yxy(30.6991, 0.4336, 0.4989)
contains.

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Color

Yxy(30.6750, 0.4314, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	A49900
RGB	164, 153, 0
RGB Percent	64%, 60%, 0%
CMY	0.3569, 0.4000, 0.9993
CMYK	0.00, 0.07, 1.00, 0.36
HSL	56°, 100%, 32%
HSV	56°, 100%, 64%
XYZ	26.7014, 30.6750, 4.5183
YIQ	138.8470, 55.6690, -45.2510

Conversions

Conversions Part 2

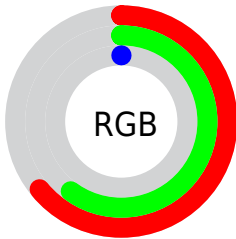
Format	Color
RYB	12, 164, 0
Decimal	10787072
CIELab	62.23, -9.74, 65.64
CIELCh	62, 66.360, 98.441
Yxy	30.6750, 0.4314, 0.4956
Android (android.graphics.Color)	4288977152 (0xFFA49900)
YUV	138.8470, -68.4516, 22.0592
Hunter-Lab	55.3850, -10.8681, 33.9326

Details

The Yxy color **30.6750, 0.4314, 0.4956** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9246, 0.1514, 0.0649**, and the grayscale version is **26.0176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7947, 0.4152, 0.4679**, and **12.6909, 0.4289, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **30.6721, 0.4314, 0.4956**, and if you desaturate by 10%, it is **31.0771, 0.4273, 0.4921**.

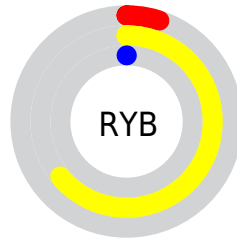
Distribution



Red (64%)

Green (60%)

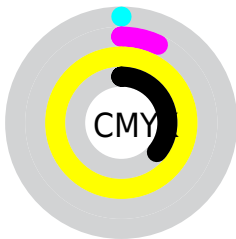
Blue (0%)



Red (5%)

Yellow (64%)

Blue (0%)

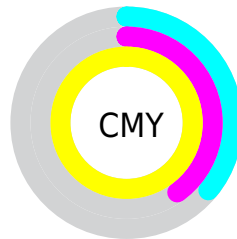


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6750, 0.4314, 0.4956 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 30.6750, 0.4314, 0.4956 by changing the saturation by 10% instead.


 30.6750, 0.4314,
0.4956


 30.6750, 0.4314,
0.4956


305.0382, 0.3776,
0.4137

 20.3515, 0.4399,
0.5120


 60.7280, 0.4149,
0.4681


 12.6508, 0.4481,
0.5309


 81.2263, 0.4076,
0.4569


 7.1885, 0.4515,
0.5485


 105.8850, 0.4011,
0.4472

 3.5803, 0.4419,
0.5581

 135.0885, 0.3953,
0.4387

 1.4417, 0.4253,
0.5747

 169.2212, 0.3901,
0.4313


 0.2471, 0.0000,
1.0000


 208.6674, 0.3855,

 0.0000, 0.0000,


0.4247


0.0000


 253.8117, 0.3813,
0.4189


 30.6750, 0.4314,
0.4956

 30.6750, 0.4314,
0.4956


 30.6721, 0.4314,
0.4956

 31.0771, 0.4273,
0.4921

 31.5129, 0.4210,
0.4853

 31.9967, 0.4122,
0.4743

 32.5344, 0.4010,
0.4592

 33.1309, 0.3879,
0.4408

■ 33.7904, 0.3733,
0.4199

■ 34.5169, 0.3580,
0.3974

■ 35.3140, 0.3425,
0.3743

■ 36.1849, 0.3272,
0.3512

Harmonies

Analogous

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



30.6750, 0.4996, 0.4263



30.6750, 0.4314, 0.4956



30.6750, 0.3390, 0.5276

Triad

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



30.6750, 0.4314, 0.4956



30.6750, 0.1438, 0.2500



30.6750, 0.3604, 0.2290

Complementary

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



30.6750, 0.4314, 0.4956



2.9246, 0.1514, 0.0649

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.



30.6750, 0.2565, 0.1909



30.6750, 0.4314, 0.4956



30.6750, 0.1479, 0.1949

Square

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



30.6750, 0.4314, 0.4956



30.6750, 0.1749, 0.3523



30.6750, 0.1844, 0.1782



30.6750, 0.4643, 0.2865

Rectangle

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



30.6750, 0.4314, 0.4956



30.6750, 0.2749, 0.5016



30.6750, 0.1844, 0.1782



30.6750, 0.3235, 0.2137

Sweetspot

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



30.6765, 0.4314, 0.4956



62.5643, 0.3591, 0.3990



7.9273, 0.6295, 0.3243



13.5602, 0.3652, 0.4080



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.



30.6765, 0.4314, 0.4956



55.5549, 0.4317, 0.4954



29.0227, 0.3492, 0.5608



8.1555, 0.3263, 0.3498



23.5467, 0.4313, 0.4957



0.5174, 0.4265, 0.4995

Inverse Universe

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



2.9246, 0.1514, 0.0649



5.1895, 0.1510, 0.0636



3.9288, 0.1882, 0.0811



6.9327, 0.2987, 0.3074



2.2669, 0.1515, 0.0655



0.0692, 0.1585, 0.0907

Previews

White Background



This preview shows how the Yxy color 30.6750, 0.4314, 0.4956 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 30.6750, 0.4314, 0.4956 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 30.6750, 0.4314, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 30.6750, 0.4314, 0.4956.

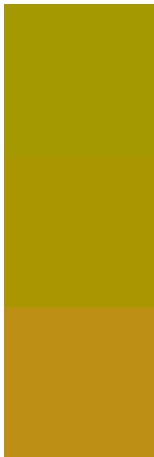


This preview shows how white text looks on a background with the Yxy color 30.6750, 0.4314, 0.4956.

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

30.6750, 0.4314, 0.4956

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.6462, 0.4668, 0.4586



Tritanopia

30.5301, 0.3350, 0.3131

Trichromacy



Original Color

30.6750, 0.4314, 0.4956

Protanomaly

30.7813, 0.4369, 0.4913

Deuteranomaly

30.7203, 0.4546, 0.4724

Tritanomaly

29.9669, 0.3892, 0.4020

Monochromacy



Original Color

30.6750, 0.4314, 0.4956

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.9637, 0.3728, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6750, 0.4314, 0.4956 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, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 153, 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(164, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.6750, 0.4314, 0.4956 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, 153, 0) }
```

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

```
.border{ border-color:rgb(164, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6750, 0.4314, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 153, 0) }
```

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

```
.background{ background-color: rgb(164,  
153, 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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