

Converting Colors

$Y_{xy}(31.2780, 0.4398, 0.5109)$

Have a look what the booklet for
Yxy(31.2780, 0.4398, 0.5109)
contains.

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Color

Yxy(31.4420, 0.4302, 0.4966)

Conversions

Conversions Part 1

Format	Color
Hex	A59B00
RGB	165, 155, 0
RGB Percent	65%, 61%, 0%
CMY	0.3530, 0.3921, 0.9998
CMYK	0.00, 0.06, 1.00, 0.35
HSL	56°, 100%, 32%
HSV	56°, 100%, 65%
XYZ	27.2379, 31.4420, 4.6346
YIQ	140.3200, 55.7150, -46.0850

Conversions

Conversions Part 2

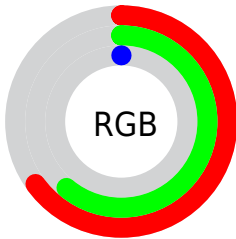
Format	Color
R_YB	11, 165, 0
Decimal	10853120
CIE _{Lab}	62.88, -10.35, 66.17
CIE _{LCh}	63, 66.972, 98.890
Yxy	31.4420, 0.4302, 0.4966
Android (android.graphics.Color)	4289043200 (0xFFA59B00)
YUV	140.3200, -69.1778, 21.6444
Hunter-Lab	56.0732, -11.4205, 34.3507

Details

The Yxy color **31.4420, 0.4302, 0.4966** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9349, 0.1512, 0.0643**, and the grayscale version is **26.6184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9293, 0.4146, 0.4690**, and **13.1518, 0.4271, 0.4990** is the 20% darker color. If you saturate the color by 10%, you get **31.4422, 0.4302, 0.4966**, and if you desaturate by 10%, it is **31.8165, 0.4262, 0.4931**.

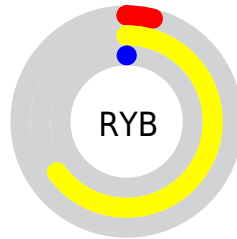
Distribution



Red (65%)

Green (61%)

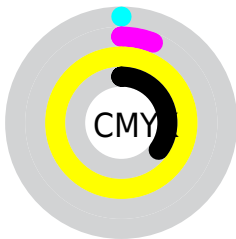
Blue (0%)



Red (4%)

Yellow (65%)

Blue (0%)

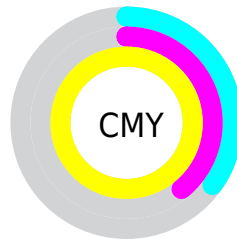


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4420, 0.4302, 0.4966 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 31.4420, 0.4302, 0.4966 by changing the saturation by 10% instead.

 31.4420, 0.4302,
0.4966


 31.4420, 0.4302,
0.4966


308.5695, 0.3773,
0.4144

 20.9357, 0.4384,
0.5131


 61.9353, 0.4141,
0.4690


 13.0770, 0.4461,
0.5318


 82.6910, 0.4069,
0.4578

 7.4816, 0.4497,
0.5503


 107.6320, 0.4005,
0.4480

 3.7651, 0.4398,
0.5602

 137.1426, 0.3948,
0.4395

 1.5430, 0.4228,
0.5772

 171.6073, 0.3897,
0.4320

 0.3187, 0.1363,
0.8637


 211.4104, 0.3851,


 0.0000, 0.0000,


0.4255


0.0000

 256.9363, 0.3810,
0.4196

 31.4420, 0.4302,
0.4966


 31.4420, 0.4302,
0.4966


 31.4422, 0.4302,
0.4966

 31.8165, 0.4262,
0.4931

 32.2243, 0.4202,
0.4863

 32.6802, 0.4116,
0.4752

 33.1901, 0.4006,
0.4601

 33.7588, 0.3876,
0.4416

■ 34.3910, 0.3733,
0.4207

■ 35.0903, 0.3581,
0.3981

■ 35.8606, 0.3426,
0.3748

■ 36.7052, 0.3273,
0.3515

Harmonies

Analogous

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



31.4420, 0.4990, 0.4274



31.4420, 0.4302, 0.4966



31.4420, 0.3375, 0.5277

Triad

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



31.4420, 0.4302, 0.4966



31.4420, 0.1435, 0.2488



31.4420, 0.3621, 0.2297

Complementary

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



31.4420, 0.4302, 0.4966



2.9349, 0.1512, 0.0643

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.



31.4420, 0.2578, 0.1912



31.4420, 0.4302, 0.4966



31.4420, 0.1481, 0.1943

Square

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



31.4420, 0.4302, 0.4966



31.4420, 0.1740, 0.3505



31.4420, 0.1852, 0.1780



31.4420, 0.4658, 0.2874

Rectangle

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



31.4420, 0.4302, 0.4966



31.4420, 0.2734, 0.5007



31.4420, 0.1852, 0.1780



31.4420, 0.3251, 0.2143

Sweetspot

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



31.4435, 0.4302, 0.4966



62.7718, 0.3590, 0.3994



8.0244, 0.6320, 0.3256



13.6113, 0.3651, 0.4085



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.



31.4435, 0.4302, 0.4966



56.2054, 0.4304, 0.4964



29.2631, 0.3467, 0.5629



8.1634, 0.3263, 0.3499



23.8143, 0.4301, 0.4967



0.5209, 0.4258, 0.5001

Inverse Universe

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



2.9349, 0.1512, 0.0643



5.1524, 0.1509, 0.0632



4.0775, 0.1909, 0.0826



6.9256, 0.2987, 0.3072



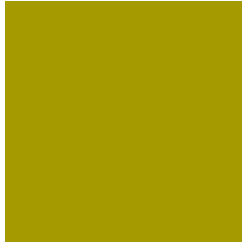
2.2463, 0.1514, 0.0650



0.0667, 0.1577, 0.0878

Previews

White Background



This preview shows how the Yxy color 31.4420, 0.4302, 0.4966 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 31.4420, 0.4302, 0.4966 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 31.4420, 0.4302, 0.4966

Background



This preview shows how black text looks on a background with the Yxy color 31.4420, 0.4302, 0.4966.

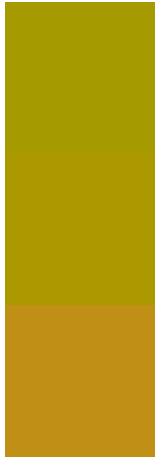


This preview shows how white text looks on a background with the Yxy color 31.4420, 0.4302, 0.4966.

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

31.4420, 0.4302, 0.4966

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

31.2109, 0.4673, 0.4578



Tritanopia

31.4270, 0.3347, 0.3133

Trichromacy



Original Color

31.4420, 0.4302, 0.4966

Protanomaly

31.5462, 0.4357, 0.4923

Deuteranomaly

31.1566, 0.4542, 0.4723

Tritanomaly

30.7386, 0.3872, 0.4015

Monochromacy



Original Color

31.4420, 0.4302, 0.4966

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.3616, 0.3734, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4420, 0.4302, 0.4966 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(165, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 155, 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(165, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.4420, 0.4302, 0.4966 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(165, 155, 0) }
```

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

```
.border{ border-color:rgb(165, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4420, 0.4302, 0.4966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 155, 0) }
```

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

```
.background{ background-color: rgb(165,  
155, 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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