

Converting Colors

$Y_{xy}(27.6120, 0.4644, 0.5155)$

Have a look what the booklet for
Yxy(27.6120, 0.4644, 0.5155)
contains.

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Color

Yxy(27.9459, 0.4434, 0.4861)

Conversions

Conversions Part 1

Format	Color
Hex	A59000
RGB	165, 144, 0
RGB Percent	65%, 56%, 0%
CMY	0.3529, 0.4353, 0.9996
CMYK	0.00, 0.13, 1.00, 0.35
HSL	52°, 100%, 32%
HSV	52°, 100%, 65%
XYZ	25.4911, 27.9459, 4.0530
YIQ	133.8630, 58.7400, -40.3320

Conversions

Conversions Part 2

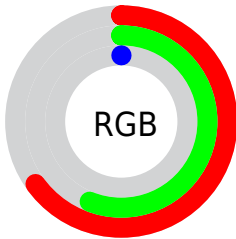
Format	Color
R_{YB}	24, 165, 0
Decimal	10850304
CIE Lab	59.84, -4.45, 63.98
CIE LCh	60, 64.135, 93.981
Yxy	27.9459, 0.4434, 0.4861
Android (android.graphics.Color)	4289040384 (0xFFA59000)
YUV	133.8630, -65.9945, 27.3071
Hunter-Lab	52.8639, -6.4387, 32.4590

Details

The Yxy color **27.9459, 0.4434, 0.4861** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.2572, 0.1530, 0.0705**, and the grayscale version is **24.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2347, 0.4244, 0.4603**, and **11.2566, 0.4445, 0.4853** is the 20% darker color. If you saturate the color by 10%, you get **27.9433, 0.4434, 0.4861**, and if you desaturate by 10%, it is **28.6287, 0.4376, 0.4835**.

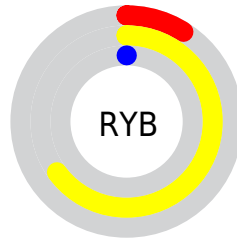
Distribution



Red (65%)

Green (56%)

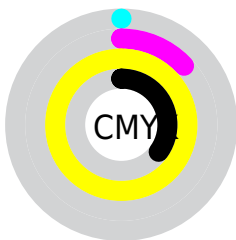
Blue (0%)



Red (9%)

Yellow (65%)

Blue (0%)

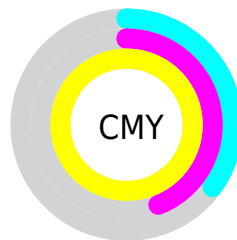


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9459, 0.4434, 0.4861 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 27.9459, 0.4434, 0.4861 by changing the saturation by 10% instead.


 27.9459, 0.4434,
0.4861


 27.9459, 0.4434,
0.4861


292.2083, 0.3820,
0.4095


 18.2849, 0.4539,
0.5008


 56.3981, 0.4239,
0.4607

 11.1547, 0.4661,
0.5186


 75.9580, 0.4155,
0.4502


 6.1710, 0.4702,
0.5298

 99.5863, 0.4081,
0.4411

 2.9493, 0.4654,
0.5346

 127.6675, 0.4016,
0.4331


 1.1053, 0.4568,
0.5432


 160.5859, 0.3958,
0.4261


 0.0000, 0.0000,
0.0000


 198.7259, 0.3907,

0.4199

 242.4719, 0.3861,
0.4144


 27.9459, 0.4434,
0.4861


 27.9459, 0.4434,
0.4861

 27.9433, 0.4434,
0.4861

 28.6287, 0.4376,
0.4835

 29.3542, 0.4296,
0.4774

 30.1370, 0.4190,
0.4669

 30.9831, 0.4060,
0.4525

 31.8974, 0.3913,
0.4349

■ 32.8844, 0.3756,
0.4149

■ 33.9481, 0.3593,
0.3935

■ 35.0922, 0.3431,
0.3716

■ 36.3202, 0.3275,
0.3499

Harmonies

Analogous

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



27.9459, 0.5056, 0.4153



27.9459, 0.4434, 0.4861



27.9459, 0.3534, 0.5268

Triad

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



27.9459, 0.4434, 0.4861



27.9459, 0.1464, 0.2625



27.9459, 0.3437, 0.2222

Complementary

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



27.9459, 0.4434, 0.4861



3.2572, 0.1530, 0.0705

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.



27.9459, 0.2437, 0.1876



27.9459, 0.4434, 0.4861



27.9459, 0.1456, 0.2007

Square

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



27.9459, 0.4434, 0.4861



27.9459, 0.1833, 0.3706



27.9459, 0.1772, 0.1790



27.9459, 0.4506, 0.2773

Rectangle

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



27.9459, 0.4434, 0.4861



27.9459, 0.2890, 0.5106



27.9459, 0.1772, 0.1790



27.9459, 0.3076, 0.2080

Sweetspot

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



27.9472, 0.4434, 0.4861



60.6773, 0.3603, 0.3949



8.0599, 0.6212, 0.3196



13.0962, 0.3668, 0.4035



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.



27.9472, 0.4434, 0.4861



49.8348, 0.4439, 0.4857



29.8864, 0.3569, 0.5548



8.0827, 0.3264, 0.3485



21.1894, 0.4431, 0.4863



0.4853, 0.4334, 0.4941

Inverse Universe

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



3.2572, 0.1530, 0.0705



5.6618, 0.1524, 0.0687



3.6971, 0.1801, 0.0766



6.9986, 0.2987, 0.3088



2.5044, 0.1532, 0.0716



0.0925, 0.1654, 0.1154

Previews

White Background



This preview shows how the Yxy color 27.9459, 0.4434, 0.4861 looks on a white background.

Color Contrast Check

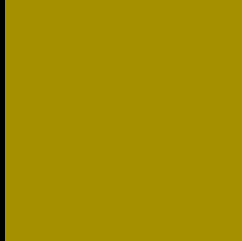
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9459, 0.4434, 0.4861 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 × Fail

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

Yxy 27.9459, 0.4434, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 27.9459, 0.4434, 0.4861.

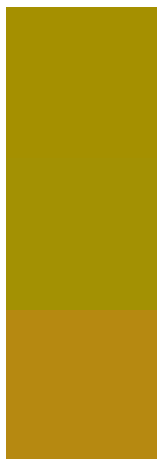


This preview shows how white text looks on a background with the Yxy color 27.9459, 0.4434, 0.4861.

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

27.9459, 0.4434, 0.4861

Protanopia

28.0439, 0.4394, 0.4881

Deuteranopia

27.8769, 0.4674, 0.4598



Tritanopia

27.9480, 0.3464, 0.3144

Trichromacy



Original Color

27.9459, 0.4434, 0.4861

Protanomaly

28.1477, 0.4407, 0.4875

Deuteranomaly

28.0104, 0.4585, 0.4697

Tritanomaly

27.4957, 0.3996, 0.3981

Monochromacy



Original Color

27.9459, 0.4434, 0.4861

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.8526, 0.3768, 0.4179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9459, 0.4434, 0.4861 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 144, 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, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.9459, 0.4434, 0.4861 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, 144, 0) }
```

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

```
.border{ border-color:rgb(165, 144, 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, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9459, 0.4434, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 144, 0) }
```

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

```
.background{ background-color: rgb(165,  
144, 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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