

Converting Colors

$Y_{xy}(28.3986, 0.4377, 0.4762)$

Have a look what the booklet for
Yxy(28.3986, 0.4377, 0.4762)
contains.

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Color

$\text{Yxy}(28.4369, 0.4368, 0.4768)$

Conversions

Conversions Part 1

Format	Color
Hex	A6911B
RGB	166, 145, 27
RGB Percent	65%, 57%, 11%
CMY	0.3490, 0.4314, 0.8941
CMYK	0.00, 0.13, 0.84, 0.35
HSL	51°, 72%, 38%
HSV	51°, 84%, 65%
XYZ	26.0513, 28.4369, 5.1530
YIQ	137.8270, 50.3940, -32.2460

Conversions

Conversions Part 2

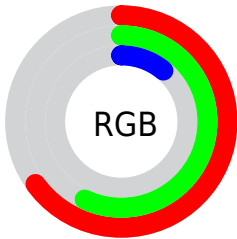
Format	Color
R_{YB}	52, 166, 27
Decimal	10916123
CIE _{Lab}	60.28, -4.01, 59.18
CIE _{LCh}	60, 59.312, 93.878
Yxy	28.4369, 0.4368, 0.4768
Android (android.graphics.Color)	4289106203 (0xFFA6911B)
YUV	137.8270, -54.6377, 24.7077
Hunter-Lab	53.3263, -6.1191, 31.5991

Details

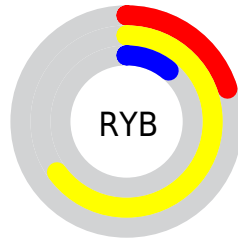
The Yxy color **28.4369, 0.4368, 0.4768** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.1026, 0.1675, 0.1018**, and the grayscale version is **25.5457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3342, 0.4162, 0.4523**, and **11.4994, 0.4442, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **27.6234, 0.4445, 0.4809**, and if you desaturate by 10%, it is **29.3135, 0.4264, 0.4683**.

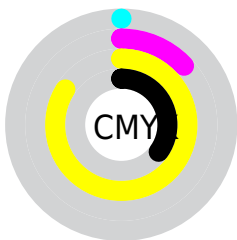
Distribution



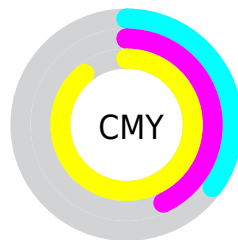
- Red (65%)
- Green (57%)
- Blue (11%)



- Red (20%)
- Yellow (65%)
- Blue (11%)



- Cyan (0%)
- Magenta (13%)
- Yellow (84%)
- Black (35%)





- Cyan (35%)
- Magenta (43%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4369, 0.4368, 0.4768 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 28.4369, 0.4368, 0.4768 by changing the saturation by 10% instead.

 28.4369, 0.4368,
0.4768


 28.4369, 0.4368,
0.4768


 294.5487, 0.3770,
0.4034


 18.6553, 0.4481,
0.4919


 57.1812, 0.4171,
0.4518


 11.4214, 0.4596,
0.5084


 76.9127, 0.4089,
0.4418


 6.3511, 0.4721,
0.5279


 100.7296, 0.4018,
0.4331

 3.0597, 0.4679,
0.5321

 129.0162, 0.3956,
0.4255

 1.1630, 0.4603,
0.5397

 162.1571, 0.3901,
0.4189

 0.0312, 0.0000,
1.0000

 200.5365, 0.3852,

 0.0000, 0.0000,

0.4131

0.0000

244.5389, 0.3809,
0.4080

■ 28.4369, 0.4368,
0.4768

■ 28.4369, 0.4368,
0.4768

■ 27.6234, 0.4445,
0.4809

■ 29.3135, 0.4264,
0.4683

■ 27.1335, 0.4485,
0.4821

■ 30.2556, 0.4135,
0.4556

■ 31.2700, 0.3987,
0.4394

■ 32.3615, 0.3827,
0.4205

■ 33.5343, 0.3661,
0.4000

■ 34.7923, 0.3495,
0.3787

■ 36.1392, 0.3335,
0.3573

■ 37.5782, 0.3182,
0.3365

■ 39.1125, 0.3039,
0.3167

Harmonies

Analogous

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



28.4369, 0.4930, 0.4124



28.4369, 0.4368, 0.4768



28.4369, 0.3532, 0.5107

Triad

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



28.4369, 0.4368, 0.4768



28.4369, 0.1571, 0.2690



28.4369, 0.3415, 0.2290

Complementary

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



28.4369, 0.4368, 0.4768



5.1026, 0.1675, 0.1018

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.



28.4369, 0.2487, 0.1963



28.4369, 0.4368, 0.4768



28.4369, 0.1558, 0.2100

Square

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



28.4369, 0.4368, 0.4768



28.4369, 0.1930, 0.3682



28.4369, 0.1858, 0.1885



28.4369, 0.4394, 0.2814

Rectangle

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



28.4369, 0.4368, 0.4768



28.4369, 0.2929, 0.4942



28.4369, 0.1858, 0.1885



28.4369, 0.3082, 0.2156

Sweetspot

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



28.4383, 0.4368, 0.4768



62.7266, 0.3524, 0.3824



9.1245, 0.5615, 0.3068



13.8625, 0.3580, 0.3896



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.



28.4383, 0.4368, 0.4768



48.9876, 0.4491, 0.4816



31.3265, 0.3662, 0.5326



8.5777, 0.3266, 0.3480



21.0913, 0.4482, 0.4823



0.5637, 0.4373, 0.4910

Inverse Universe

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



5.1026, 0.1675, 0.1018



6.0715, 0.1532, 0.0714



4.9679, 0.1950, 0.0964



7.4769, 0.2986, 0.3092



2.7226, 0.1540, 0.0745



0.1189, 0.1671, 0.1217

Previews

White Background



This preview shows how the Yxy color 28.4369, 0.4368, 0.4768 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 28.4369, 0.4368, 0.4768 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 28.4369, 0.4368, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 28.4369, 0.4368, 0.4768.



This preview shows how white text looks on a background with the Yxy color 28.4369, 0.4368, 0.4768.

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

28.4369, 0.4368, 0.4768

Protanopia

28.5294, 0.4334, 0.4795

Deuteranopia

28.3432, 0.4622, 0.4538



Tritanopia

28.3710, 0.3462, 0.3145

Trichromacy



Original Color

28.4369, 0.4368, 0.4768

Protanomaly

28.6362, 0.4345, 0.4787

Deuteranomaly

28.4906, 0.4525, 0.4622

Tritanomaly

28.0825, 0.3894, 0.3847

Monochromacy



Original Color

28.4369, 0.4368, 0.4768

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.2275, 0.3654, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4369, 0.4368, 0.4768 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, 145, 27)` looks like.

```
.text, #text, p{  
    color:rgb(166, 145, 27)  
}
```

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, 145, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 145, 27) }
```

Border

The CSS property to change the border of an element to Yxy 28.4369, 0.4368, 0.4768 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, 145, 27) }
```

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

```
.border{ border-color:rgb(166, 145, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 145, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 145, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 145, 27);  
box-shadow:4px 4px 4px 4px rgb(166, 145,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4369, 0.4368, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 145, 27) }
```

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

```
.background{ background-color: rgb(166,  
145, 27) }
```

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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