

Converting Colors

$Y_{xy}(28.7736, 0.4367, 0.4834)$

Have a look what the booklet for
Yxy(28.7736, 0.4367, 0.4834)
contains.

Yxy(28.9104, 0.4362, 0.4839)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9104, 0.4362, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	A59312
RGB	165, 147, 18
RGB Percent	65%, 58%, 7%
CMY	0.3529, 0.4235, 0.9299
CMYK	0.00, 0.11, 0.89, 0.35
HSL	53°, 80%, 36%
HSV	53°, 89%, 65%
XYZ	26.0606, 28.9104, 4.7736
YIQ	137.6760, 52.1370, -36.3030

Conversions

Conversions Part 2

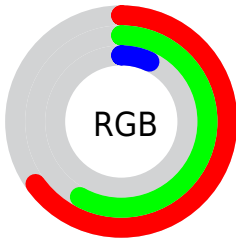
Format	Color
R_{YB}	39, 165, 18
Decimal	10851090
CIE _{Lab}	60.70, -5.79, 61.72
CIE _{LCh}	61, 61.994, 95.356
Yxy	28.9104, 0.4362, 0.4839
Android (android.graphics.Color)	4289041170 (0xFFA59312)
YUV	137.6760, -59.0003, 23.9631
Hunter-Lab	53.7684, -7.5789, 32.3741

Details

The Yxy color **28.9104, 0.4362, 0.4839** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.0994, 0.1605, 0.0858**, and the grayscale version is **25.4960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1851, 0.4174, 0.4579**, and **11.8006, 0.4390, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **28.2489, 0.4419, 0.4867**, and if you desaturate by 10%, it is **29.6199, 0.4282, 0.4774**.

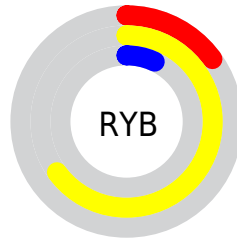
Distribution



Red (65%)

Green (58%)

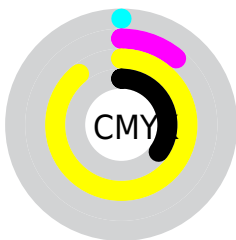
Blue (7%)



Red (15%)

Yellow (65%)

Blue (7%)

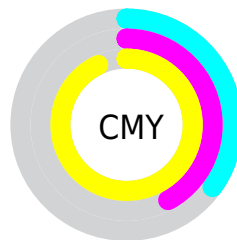


Cyan (0%)

Magenta (11%)

Yellow (89%)

Black (35%)



Cyan (35%)


Magenta (42%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9104, 0.4362, 0.4839 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 28.9104, 0.4362, 0.4839 by changing the saturation by 10% instead.

 28.9104, 0.4362,
0.4839


 28.9104, 0.4362,
0.4839


296.7920, 0.3779,
0.4073

 19.0131, 0.4466,
0.4994


 57.9347, 0.4174,
0.4580


 11.6797, 0.4571,
0.5168


 77.8304, 0.4095,
0.4475

 6.5260, 0.4655,
0.5345


 101.8278, 0.4025,
0.4384

 3.1675, 0.4594,
0.5406

 130.3111, 0.3963,
0.4305

 1.2198, 0.4488,
0.5512

 163.6647, 0.3909,
0.4236

 0.0778, 0.0000,
1.0000

 202.2732, 0.3861,

 0.0000, 0.0000,

0.4175

0.0000

246.5208, 0.3817,
0.4121

28.9104, 0.4362,
0.4839

28.9104, 0.4362,
0.4839

28.2489, 0.4419,
0.4867

29.6199, 0.4282,
0.4774

28.1943, 0.4424,
0.4869

30.3849, 0.4175,
0.4666

31.2126, 0.4045,
0.4518

32.1081, 0.3899,
0.4339

33.0757, 0.3741,
0.4137

■ 34.1194, 0.3580,
0.3922

■ 35.2428, 0.3419,
0.3702

■ 36.4494, 0.3263,
0.3484

■ 37.7423, 0.3115,
0.3273

Harmonies

Analogous

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



28.9104, 0.4970, 0.4172



28.9104, 0.4362, 0.4839



28.9104, 0.3489, 0.5181

Triad

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



28.9104, 0.4362, 0.4839



28.9104, 0.1514, 0.2621



28.9104, 0.3476, 0.2281

Complementary

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



28.9104, 0.4362, 0.4839



4.0994, 0.1605, 0.0858

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.



28.9104, 0.2504, 0.1934



28.9104, 0.4362, 0.4839



28.9104, 0.1519, 0.2040

Square

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



28.9104, 0.4362, 0.4839



28.9104, 0.1860, 0.3637



28.9104, 0.1842, 0.1839



28.9104, 0.4486, 0.2825

Rectangle

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



28.9104, 0.4362, 0.4839



28.9104, 0.2868, 0.4988



28.9104, 0.1842, 0.1839



28.9104, 0.3128, 0.2140

Sweetspot

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



28.9118, 0.4362, 0.4839



61.4237, 0.3552, 0.3885



8.5658, 0.5902, 0.3145



13.2925, 0.3604, 0.3955



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.



28.9118, 0.4362, 0.4839



50.2861, 0.4429, 0.4866



30.3404, 0.3605, 0.5434



8.0886, 0.3264, 0.3486



21.3756, 0.4421, 0.4871



0.4879, 0.4328, 0.4945

Inverse Universe

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



4.0994, 0.1605, 0.0858



5.6136, 0.1523, 0.0682



4.5169, 0.1928, 0.0901



6.9932, 0.2987, 0.3087



2.4810, 0.1531, 0.0710



0.0906, 0.1649, 0.1134

Previews

White Background



This preview shows how the Yxy color 28.9104, 0.4362, 0.4839 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 28.9104, 0.4362, 0.4839 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 28.9104, 0.4362, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 28.9104, 0.4362, 0.4839.



This preview shows how white text looks on a background with the Yxy color 28.9104, 0.4362, 0.4839.

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

28.9104, 0.4362, 0.4839

Protanopia

28.9104, 0.4362, 0.4839

Deuteranopia

28.8497, 0.4654, 0.4565



Tritanopia

28.8821, 0.3424, 0.3145

Trichromacy



Original Color

28.9104, 0.4362, 0.4839

Protanomaly

28.9104, 0.4362, 0.4839

Deuteranomaly

28.8689, 0.4553, 0.4664

Tritanomaly

28.5159, 0.3892, 0.3907

Monochromacy



Original Color

28.9104, 0.4362, 0.4839

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.1538, 0.3695, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9104, 0.4362, 0.4839 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, 147, 18)` looks like.

```
.text, #text, p{  
    color:rgb(165, 147, 18)  
}
```

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, 147, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 147, 18) }
```

Border

The CSS property to change the border of an element to Yxy 28.9104, 0.4362, 0.4839 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, 147, 18) }
```

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

```
.border{ border-color:rgb(165, 147, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 147, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 147, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 147, 18);  
box-shadow:4px 4px 4px 4px rgb(165, 147,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9104, 0.4362, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 147, 18) }
```

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

```
.background{ background-color: rgb(165,  
147, 18) }
```

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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