

Converting Colors

$Y_{xy}(29.0353, 0.4354, 0.4771)$

Have a look what the booklet for
Yxy(29.0353, 0.4354, 0.4771)
contains.

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Color

$Y_{xy}(29.1668, 0.4352, 0.4776)$

Conversions

Conversions Part 1

Format	Color
Hex	A7931C
RGB	167, 147, 28
RGB Percent	65%, 58%, 11%
CMY	0.3451, 0.4235, 0.8903
CMYK	0.00, 0.12, 0.83, 0.35
HSL	51°, 71%, 38%
HSV	51°, 83%, 65%
XYZ	26.5775, 29.1668, 5.3253
YIQ	139.4140, 50.1190, -32.7690

Conversions

Conversions Part 2

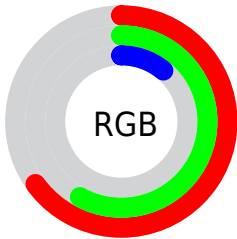
Format	Color
R_{YB}	51, 167, 28
Decimal	10982172
CIE Lab	60.93, -4.63, 59.50
CIE LCh	61, 59.675, 94.448
Yxy	29.1668, 0.4352, 0.4776
Android (android.graphics.Color)	4289172252 (0xFFA7931C)
YUV	139.4140, -54.9271, 24.1929
Hunter-Lab	54.0063, -6.6680, 31.9581

Details

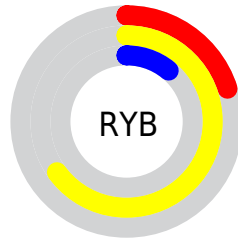
The Yxy color **29.1668, 0.4352, 0.4776** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1455, 0.1676, 0.1014**, and the grayscale version is **26.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4367, 0.4151, 0.4528**, and **11.9289, 0.4422, 0.4871** is the 20% darker color. If you saturate the color by 10%, you get **28.3706, 0.4428, 0.4820**, and if you desaturate by 10%, it is **30.0256, 0.4249, 0.4688**.

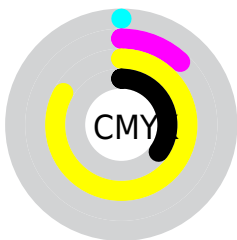
Distribution



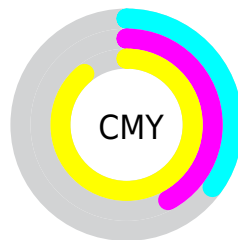
- Red (65%)
- Green (58%)
- Blue (11%)



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



- Cyan (0%)
- Magenta (12%)
- Yellow (83%)
- Black (35%)




- Cyan (35%)
- Magenta (42%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1668, 0.4352, 0.4776 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 29.1668, 0.4352, 0.4776 by changing the saturation by 10% instead.


 29.1668, 0.4352,
0.4776


 29.1668, 0.4352,
0.4776


298.0012, 0.3765,
0.4039

 19.2070, 0.4462,
0.4928


 58.3420, 0.4159,
0.4525


 11.8200, 0.4573,
0.5094


 78.3262, 0.4079,
0.4424


 6.6212, 0.4700,
0.5300


 102.4207, 0.4009,
0.4337

 3.2264, 0.4652,
0.5348

 131.0099, 0.3948,
0.4261

 1.2510, 0.4569,
0.5431

 164.4781, 0.3894,
0.4195

 0.1028, 0.0000,
1.0000

 203.2098, 0.3846,

 0.0000, 0.0000,

0.4136

0.0000

247.5894, 0.3803,
0.4085

■ 29.1668, 0.4352,
0.4776

■ 29.1668, 0.4352,
0.4776

■ 28.3706, 0.4428,
0.4820

■ 30.0256, 0.4249,
0.4688

■ 27.8561, 0.4469,
0.4834

■ 30.9495, 0.4121,
0.4558

■ 31.9453, 0.3975,
0.4394

■ 33.0177, 0.3816,
0.4203

■ 34.1711, 0.3651,
0.3996

■ 35.4094, 0.3487,
0.3781

■ 36.7362, 0.3327,
0.3566

■ 38.1549, 0.3175,
0.3356

■ 39.6687, 0.3032,
0.3156

Harmonies

Analogous

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



29.1668, 0.4920, 0.4136



29.1668, 0.4352, 0.4776



29.1668, 0.3515, 0.5103

Triad

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



29.1668, 0.4352, 0.4776



29.1668, 0.1571, 0.2676



29.1668, 0.3434, 0.2301

Complementary

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



29.1668, 0.4352, 0.4776



5.1455, 0.1676, 0.1014

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.



29.1668, 0.2504, 0.1970



29.1668, 0.4352, 0.4776



29.1668, 0.1563, 0.2096

Square

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



29.1668, 0.4352, 0.4776



29.1668, 0.1922, 0.3660



29.1668, 0.1869, 0.1887



29.1668, 0.4407, 0.2826

Rectangle

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



29.1668, 0.4352, 0.4776



29.1668, 0.2913, 0.4927



29.1668, 0.1869, 0.1887



29.1668, 0.3101, 0.2165

Sweetspot

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



29.1682, 0.4352, 0.4776



62.9248, 0.3523, 0.3828



9.2634, 0.5643, 0.3093



13.9124, 0.3578, 0.3901



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.



29.1682, 0.4352, 0.4776



49.6636, 0.4475, 0.4829



31.5913, 0.3639, 0.5337



8.5873, 0.3265, 0.3482



21.3740, 0.4466, 0.4836



0.5685, 0.4363, 0.4917

Inverse Universe

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



5.1455, 0.1676, 0.1014



5.9845, 0.1529, 0.0705



5.1808, 0.1981, 0.0985



7.4681, 0.2986, 0.3091



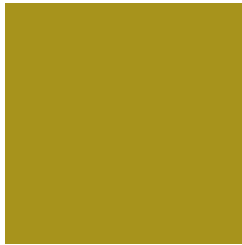
2.6807, 0.1538, 0.0735



0.1156, 0.1664, 0.1190

Previews

White Background



This preview shows how the Yxy color 29.1668, 0.4352, 0.4776 looks on a white background.

Color Contrast Check

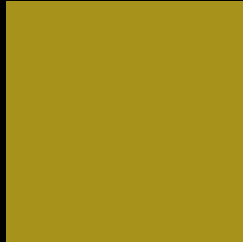
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1668, 0.4352, 0.4776 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 29.1668, 0.4352, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 29.1668, 0.4352, 0.4776.



This preview shows how white text looks on a background with the Yxy color 29.1668, 0.4352, 0.4776.

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

29.1668, 0.4352, 0.4776

Protanopia

29.0583, 0.4341, 0.4784

Deuteranopia

29.1747, 0.4614, 0.4540



Tritanopia

29.1119, 0.3446, 0.3146

Trichromacy



Original Color

29.1668, 0.4352, 0.4776

Protanomaly

29.0583, 0.4341, 0.4784

Deuteranomaly

29.2088, 0.4507, 0.4631

Tritanomaly

28.8199, 0.3872, 0.3843

Monochromacy



Original Color

29.1668, 0.4352, 0.4776

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6364, 0.3650, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1668, 0.4352, 0.4776 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(167, 147, 28)` looks like.

```
.text, #text, p{  
    color:rgb(167, 147, 28)  
}
```

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(167, 147, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 147, 28) }
```

Border

The CSS property to change the border of an element to Yxy 29.1668, 0.4352, 0.4776 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(167, 147, 28) }
```

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

```
.border{ border-color:rgb(167, 147, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 147, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 147, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 147, 28);  
box-shadow:4px 4px 4px 4px rgb(167, 147,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1668, 0.4352, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 147, 28) }
```

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

```
.background{ background-color: rgb(167,  
147, 28) }
```

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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