

Converting Colors

$Y_{xy}(29.6182, 0.4373, 0.4722)$

Have a look what the booklet for
Yxy(29.6182, 0.4373, 0.4722)
contains.

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Color

$\text{Yxy}(29.6352, 0.4376, 0.4715)$

Conversions

Conversions Part 1

Format	Color
Hex	AB9321
RGB	171, 147, 33
RGB Percent	67%, 58%, 13%
CMY	0.3294, 0.4235, 0.8704
CMYK	0.00, 0.14, 0.81, 0.33
HSL	50°, 68%, 40%
HSV	50°, 81%, 67%
XYZ	27.5045, 29.6352, 5.7133
YIQ	141.1800, 50.8980, -30.3660

Conversions

Conversions Part 2

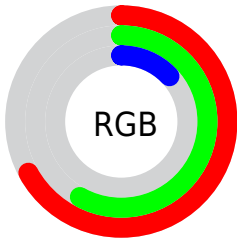
Format	Color
R _{YB}	62, 171, 33
Decimal	11244321
CIE Lab	61.34, -2.64, 58.47
CIE LCh	61, 58.526, 92.581
Yxy	29.6352, 0.4376, 0.4715
Android (android.graphics.Color)	4289434401 (0xFFAB9321)
YUV	141.1800, -53.3327, 26.1521
Hunter-Lab	54.4382, -5.0812, 31.8842

Details

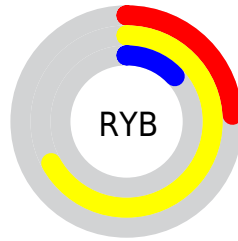
The Yxy color **29.6352, 0.4376, 0.4715** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.1973, 0.1722, 0.1129**, and the grayscale version is **26.9123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3009, 0.4177, 0.4481**, and **12.1942, 0.4485, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **28.6502, 0.4469, 0.4766**, and if you desaturate by 10%, it is **30.6957, 0.4256, 0.4620**.

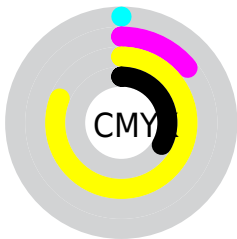
Distribution



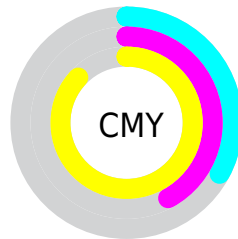
- Red (67%)
- Green (58%)
- Blue (13%)



- Red (24%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (14%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6352, 0.4376, 0.4715 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 29.6352, 0.4376, 0.4715 by changing the saturation by 10% instead.

 29.6352, 0.4376,
0.4715


 29.6352, 0.4376,
0.4715


300.2003, 0.3772,
0.4013

 19.5619, 0.4494,
0.4859


 59.0848, 0.4175,
0.4476

 12.0770, 0.4615,
0.5014


 79.2298, 0.4093,
0.4380

 6.7961, 0.4776,
0.5224


 103.5009, 0.4021,
0.4297

 3.3349, 0.4749,
0.5251

 132.2824, 0.3958,
0.4225

 1.3090, 0.4704,
0.5296

 165.9586, 0.3903,
0.4162

 0.1481, 0.3404,
0.6596

 204.9141, 0.3854,

 0.0000, 0.0000,

0.4106

0.0000

249.5332, 0.3811,
0.4057

■ 29.6352, 0.4376,
0.4715

■ 29.6352, 0.4376,
0.4715

■ 28.6502, 0.4469,
0.4766

■ 30.6957, 0.4256,
0.4620

■ 27.7818, 0.4536,
0.4781

■ 31.8340, 0.4113,
0.4484

■ 33.0573, 0.3954,
0.4316

■ 34.3706, 0.3786,
0.4125

■ 35.7784, 0.3616,
0.3921

■ 37.2848, 0.3448,
0.3711

■ 38.8937, 0.3288,
0.3504

■ 40.6087, 0.3137,
0.3303

■ 42.4331, 0.2997,
0.3113

Harmonies

Analogous

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



29.6352, 0.4903, 0.4085



29.6352, 0.4376, 0.4715



29.6352, 0.3567, 0.5056

Triad

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



29.6352, 0.4376, 0.4715



29.6352, 0.1613, 0.2743



29.6352, 0.3367, 0.2294

Complementary

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



29.6352, 0.4376, 0.4715



6.1973, 0.1722, 0.1129

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.



29.6352, 0.2470, 0.1982



29.6352, 0.4376, 0.4715



29.6352, 0.1584, 0.2146

Square

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



29.6352, 0.4376, 0.4715



29.6352, 0.1983, 0.3721



29.6352, 0.1866, 0.1918



29.6352, 0.4325, 0.2802

Rectangle

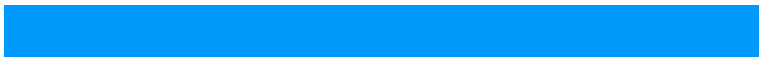
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6352, 0.4376, 0.4715



29.6352, 0.2976, 0.4914



29.6352, 0.1866, 0.1918



29.6352, 0.3044, 0.2165

Sweetspot

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



29.6366, 0.4376, 0.4715



65.7357, 0.3511, 0.3790



10.0586, 0.5455, 0.3029



14.4514, 0.3569, 0.3863



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6366, 0.4376, 0.4715



49.9694, 0.4524, 0.4775



33.7750, 0.3686, 0.5267



9.0895, 0.3267, 0.3476



21.0099, 0.4532, 0.4784



0.6458, 0.4413, 0.4878

Inverse Universe

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



6.1973, 0.1722, 0.1129



7.1178, 0.1557, 0.0783



5.5985, 0.1968, 0.1007



7.9742, 0.2986, 0.3097



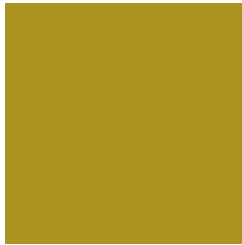
2.9633, 0.1549, 0.0776



0.1484, 0.1685, 0.1266

Previews

White Background



This preview shows how the Yxy color 29.6352, 0.4376, 0.4715 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 29.6352, 0.4376, 0.4715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

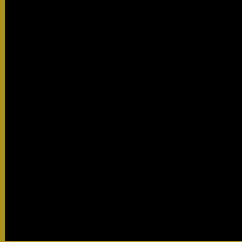
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6352, 0.4376, 0.4715

Background



This preview shows how black text looks on a background with the Yxy color 29.6352, 0.4376, 0.4715.

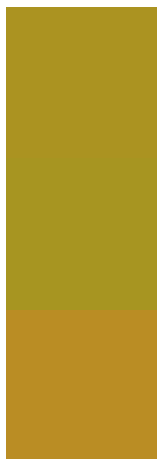


This preview shows how white text looks on a background with the Yxy color 29.6352, 0.4376, 0.4715.

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

29.6352, 0.4376, 0.4715

Protanopia

29.8202, 0.4310, 0.4767

Deuteranopia

29.6162, 0.4594, 0.4521



Tritanopia

29.6131, 0.3480, 0.3134

Trichromacy



Original Color

29.6352, 0.4376, 0.4715

Protanomaly

29.6144, 0.4332, 0.4749

Deuteranomaly

29.5900, 0.4522, 0.4585

Tritanomaly

29.3205, 0.3897, 0.3805

Monochromacy



Original Color

29.6352, 0.4376, 0.4715

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2796, 0.3650, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6352, 0.4376, 0.4715 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(171, 147, 33)` looks like.

```
.text, #text, p{  
    color:rgb(171, 147, 33)  
}
```

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(171, 147, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 147, 33) }
```

Border

The CSS property to change the border of an element to Yxy 29.6352, 0.4376, 0.4715 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(171, 147, 33) }
```

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

```
.border{ border-color:rgb(171, 147, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 147, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 147, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 147, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 147,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6352, 0.4376, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 147, 33) }
```

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

```
.background{ background-color: rgb(171,  
147, 33) }
```

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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