

Converting Colors

$Y_{xy}(32.5779, 0.4237, 0.4749)$

Have a look what the booklet for
Yxy(32.5779, 0.4237, 0.4749)
contains.

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Color

Yxy(32.6020, 0.4239, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	AB9C2A
RGB	171, 156, 42
RGB Percent	67%, 61%, 16%
CMY	0.3294, 0.3882, 0.8354
CMYK	0.00, 0.09, 0.75, 0.33
HSL	53°, 61%, 42%
HSV	53°, 75%, 67%
XYZ	29.1008, 32.6020, 6.9474
YIQ	147.4890, 45.5340, -32.2740

Conversions

Conversions Part 2

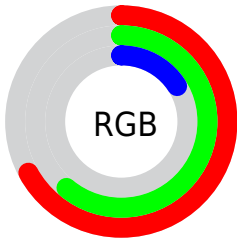
Format	Color
RYB	59, 171, 42
Decimal	11246634
CIELab	63.84, -7.13, 57.73
CIELCh	64, 58.170, 97.040
Yxy	32.6020, 0.4239, 0.4749
Android (android.graphics.Color)	4289436714 (0xFFAB9C2A)
YUV	147.4890, -52.0061, 20.6191
Hunter-Lab	57.0982, -8.9469, 32.7546

Details

The Yxy color **32.6020, 0.4239, 0.4749** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3562, 0.1764, 0.1148**, and the grayscale version is **29.5967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5957, 0.4065, 0.4498**, and **13.7480, 0.4347, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **31.8445, 0.4327, 0.4830**, and if you desaturate by 10%, it is **33.4257, 0.4125, 0.4625**.

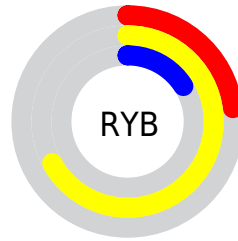
Distribution



Red (67%)

Green (61%)

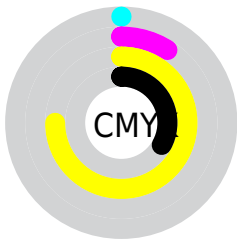
Blue (16%)



Red (23%)

Yellow (67%)

Blue (16%)

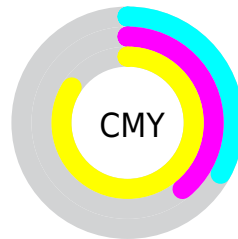


Cyan (0%)

Magenta (9%)

Yellow (75%)

Black (33%)



Cyan (33%)


Magenta (39%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6020, 0.4239, 0.4749 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 32.6020, 0.4239, 0.4749 by changing the saturation by 10% instead.

 32.6020, 0.4239,
0.4749


 32.6020, 0.4239,
0.4749


313.8525, 0.3712,
0.4022


 21.8217, 0.4340,
0.4907


 63.7537, 0.4065,
0.4497

 13.7260, 0.4443,
0.5084


 84.8938, 0.3994,
0.4398


 7.9303, 0.4607,
0.5364


 110.2561, 0.3931,
0.4312

 4.0504, 0.4556,
0.5444

 140.2248, 0.3876,
0.4238

 1.7018, 0.4448,
0.5552

 175.1844, 0.3828,
0.4173

 0.4248, 0.3510,
0.6490

 215.5193, 0.3785,

 0.0000, 0.0000,

0.4117

0.0000

261.6139, 0.3746,
0.4066

■ 32.6020, 0.4239,
0.4749

■ 32.6020, 0.4239,
0.4749

■ 31.8445, 0.4327,
0.4830

■ 33.4257, 0.4125,
0.4625

■ 31.1411, 0.4388,
0.4868

■ 34.3170, 0.3990,
0.4464

■ 30.8315, 0.4412,
0.4879

■ 35.2825, 0.3840,
0.4275

■ 36.3269, 0.3681,
0.4065

■ 37.4544, 0.3520,
0.3845

■ 38.6689, 0.3360,
0.3623

■ 39.9739, 0.3207,
0.3405

■ 41.3728, 0.3063,
0.3196

■ 42.8688, 0.2928,
0.2999

Harmonies

Analogous

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



32.6020, 0.4798, 0.4168



32.6020, 0.4239, 0.4749



32.6020, 0.3434, 0.4986

Triad

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



32.6020, 0.4239, 0.4749



32.6020, 0.1634, 0.2656



32.6020, 0.3503, 0.2388

Complementary

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



32.6020, 0.4239, 0.4749



6.3562, 0.1764, 0.1148

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.



32.6020, 0.2608, 0.2051



32.6020, 0.4239, 0.4749



32.6020, 0.1650, 0.2131

Square

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



32.6020, 0.4239, 0.4749



32.6020, 0.1946, 0.3553



32.6020, 0.1972, 0.1951



32.6020, 0.4398, 0.2905

Rectangle

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



32.6020, 0.4239, 0.4749



32.6020, 0.2863, 0.4767



32.6020, 0.1972, 0.1951



32.6020, 0.3186, 0.2252

Sweetspot

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



32.6035, 0.4239, 0.4749



67.5099, 0.3487, 0.3800



10.6084, 0.5412, 0.3127



14.8899, 0.3544, 0.3878



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.



32.6035, 0.4239, 0.4749



56.1206, 0.4373, 0.4862



33.3975, 0.3598, 0.5238



9.1689, 0.3265, 0.3489



23.2917, 0.4410, 0.4881



0.6919, 0.4336, 0.4939

Inverse Universe

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



6.3562, 0.1764, 0.1148



7.1736, 0.1573, 0.0787



6.8414, 0.2140, 0.1168



7.9016, 0.2986, 0.3083



2.6327, 0.1528, 0.0700



0.1196, 0.1629, 0.1064

Previews

White Background



This preview shows how the Yxy color 32.6020, 0.4239, 0.4749 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.6020, 0.4239, 0.4749 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 ✓ Pass

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

Yxy 32.6020, 0.4239, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 32.6020, 0.4239, 0.4749.



This preview shows how white text looks on a background with the Yxy color 32.6020, 0.4239, 0.4749.

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

32.6020, 0.4239, 0.4749

Protanopia

32.6085, 0.4281, 0.4717

Deuteranopia

32.5340, 0.4555, 0.4467



Tritanopia

32.6954, 0.3376, 0.3137

Trichromacy



Original Color

32.6020, 0.4239, 0.4749

Protanomaly

32.4941, 0.4270, 0.4724

Deuteranomaly

32.4413, 0.4446, 0.4560

Tritanomaly

32.3976, 0.3767, 0.3798

Monochromacy



Original Color

32.6020, 0.4239, 0.4749

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9847, 0.3594, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6020, 0.4239, 0.4749 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, 156, 42)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 42)  
}
```

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, 156, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 42) }
```

Border

The CSS property to change the border of an element to Yxy 32.6020, 0.4239, 0.4749 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, 156, 42) }
```

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

```
.border{ border-color:rgb(171, 156, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 156, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 156, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 156, 42);  
box-shadow:4px 4px 4px 4px rgb(171, 156,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6020, 0.4239, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 156, 42) }
```

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

```
.background{ background-color: rgb(171,  
156, 42) }
```

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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