

Converting Colors

$Y_{xy}(32.8089, 0.4379, 0.4905)$

Have a look what the booklet for
Yxy(32.8089, 0.4379, 0.4905)
contains.

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Color

Yxy(32.7756, 0.4386, 0.4899)

Conversions

Conversions Part 1

Format	Color
Hex	AE9C00
RGB	174, 156, 0
RGB Percent	68%, 61%, 0%
CMY	0.3177, 0.3882, 0.9994
CMYK	0.00, 0.10, 1.00, 0.32
HSL	54°, 100%, 34%
HSV	54°, 100%, 68%
XYZ	29.3435, 32.7756, 4.7835
YIQ	143.5980, 60.8040, -44.7000

Conversions

Conversions Part 2

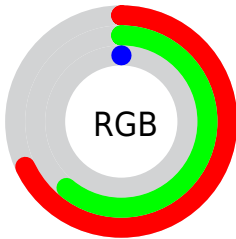
Format	Color
R_{YB}	20, 174, 0
Decimal	11443200
CIE Lab	63.98, -6.81, 67.32
CIE LCh	64, 67.667, 95.772
Yxy	32.7756, 0.4386, 0.4899
Android (android.graphics.Color)	4289633280 (0xFFAE9C00)
YUV	143.5980, -70.7938, 26.6626
Hunter-Lab	57.2500, -8.6972, 35.1210

Details

The Yxy color **32.7756, 0.4386, 0.4899** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.4935, 0.1522, 0.0676**, and the grayscale version is **27.9986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9112, 0.4208, 0.4646**, and **13.8851, 0.4377, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **32.7718, 0.4386, 0.4899**, and if you desaturate by 10%, it is **33.4277, 0.4336, 0.4872**.

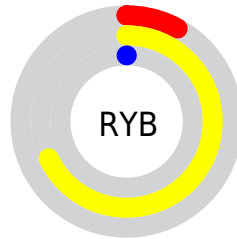
Distribution



Red (68%)

Green (61%)

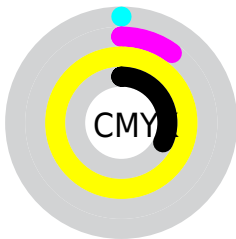
Blue (0%)



Red (8%)

Yellow (68%)

Blue (0%)

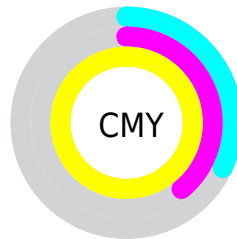


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7756, 0.4386, 0.4899 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 32.7756, 0.4386, 0.4899 by changing the saturation by 10% instead.


 32.7756, 0.4386,
0.4899


 32.7756, 0.4386,
0.4899


314.6374, 0.3816,
0.4129

 21.9546, 0.4479,
0.5046


 64.0250, 0.4210,
0.4646


 13.8235, 0.4569,
0.5207


 85.2222, 0.4133,
0.4541


 7.9980, 0.4633,
0.5367


 110.6470, 0.4064,
0.4449

 4.0937, 0.4572,
0.5428

 140.6836, 0.4003,
0.4369

 1.7261, 0.4469,
0.5531

 175.7166, 0.3948,
0.4298

 0.4405, 0.3644,
0.6356

 216.1303, 0.3899,

 0.0000, 0.0000,

0.4235

0.0000

262.3091, 0.3856,
0.4179

32.7756, 0.4386,
0.4899

32.7756, 0.4386,
0.4899

32.7718, 0.4386,
0.4899

33.4277, 0.4336,
0.4872

34.1242, 0.4264,
0.4809

34.8810, 0.4166,
0.4703

35.7047, 0.4043,
0.4556

36.6010, 0.3903,
0.4377

■ 37.5751, 0.3749,
0.4173

■ 38.6315, 0.3590,
0.3954

■ 39.7743, 0.3430,
0.3729

■ 41.0073, 0.3274,
0.3505

Harmonies

Analogous

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



32.7756, 0.5033, 0.4197



32.7756, 0.4386, 0.4899



32.7756, 0.3476, 0.5272

Triad

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



32.7756, 0.4386, 0.4899



32.7756, 0.1454, 0.2574



32.7756, 0.3504, 0.2249

Complementary

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



32.7756, 0.4386, 0.4899



3.4935, 0.1522, 0.0676

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.



32.7756, 0.2488, 0.1889



32.7756, 0.4386, 0.4899



32.7756, 0.1466, 0.1984

Square

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



32.7756, 0.4386, 0.4899



32.7756, 0.1799, 0.3632



32.7756, 0.1801, 0.1787



32.7756, 0.4561, 0.2810

Rectangle

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



32.7756, 0.4386, 0.4899



32.7756, 0.2834, 0.5071



32.7756, 0.1801, 0.1787



32.7756, 0.3139, 0.2103

Sweetspot

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



32.7772, 0.4386, 0.4899



69.9583, 0.3600, 0.3967



9.0530, 0.6249, 0.3217



15.3697, 0.3666, 0.4059



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.7772, 0.4386, 0.4899



59.2567, 0.4390, 0.4896



33.4172, 0.3541, 0.5570



9.1865, 0.3265, 0.3491



23.8225, 0.4384, 0.4901



0.7024, 0.4319, 0.4952

Inverse Universe

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



3.4935, 0.1522, 0.0676



6.1753, 0.1517, 0.0661



4.2446, 0.1823, 0.0779



7.8856, 0.2986, 0.3080



2.5744, 0.1524, 0.0686



0.1132, 0.1616, 0.1017

Previews

White Background



This preview shows how the Yxy color 32.7756, 0.4386, 0.4899 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 32.7756, 0.4386, 0.4899 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 32.7756, 0.4386, 0.4899

Background



This preview shows how black text looks on a background with the Yxy color 32.7756, 0.4386, 0.4899.



This preview shows how white text looks on a background with the Yxy color 32.7756, 0.4386, 0.4899.

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

32.7756, 0.4386, 0.4899

Protanopia

32.8909, 0.4397, 0.4891

Deuteranopia

32.6537, 0.4681, 0.4587



Tritanopia

32.7184, 0.3420, 0.3138

Trichromacy



Original Color

32.7756, 0.4386, 0.4899

Protanomaly

32.8909, 0.4397, 0.4891

Deuteranomaly

32.5331, 0.4581, 0.4699

Tritanomaly

32.0990, 0.3966, 0.4000

Monochromacy



Original Color

32.7756, 0.4386, 0.4899

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9211, 0.3758, 0.4174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7756, 0.4386, 0.4899 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(174, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 156, 0)  
}
```

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(174, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 156, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.7756, 0.4386, 0.4899 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(174, 156, 0) }
```

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

```
.border{ border-color:rgb(174, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 156,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7756, 0.4386, 0.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 156, 0) }
```

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

```
.background{ background-color: rgb(174,  
156, 0) }
```

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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