

Converting Colors

$Yxy(32.8494, 0.4338, 0.4795)$

Have a look what the booklet for
Yxy(32.8494, 0.4338, 0.4795)
contains.

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Color

Yxy(32.9796, 0.4334, 0.4799)

Conversions

Conversions Part 1

Format	Color
Hex	AF9C1D
RGB	175, 156, 29
RGB Percent	69%, 61%, 11%
CMY	0.3139, 0.3882, 0.8863
CMYK	0.00, 0.11, 0.83, 0.31
HSL	52°, 72%, 40%
HSV	52°, 83%, 69%
XYZ	29.7840, 32.9796, 5.9582
YIQ	147.2030, 52.0910, -35.4690

Conversions

Conversions Part 2

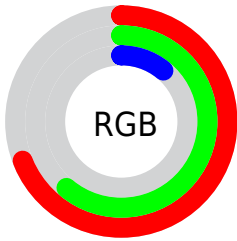
Format	Color
RYB	51, 175, 29
Decimal	11508765
CIELab	64.14, -5.84, 62.25
CIELCh	64, 62.523, 95.356
Yxy	32.9796, 0.4334, 0.4799
Android (android.graphics.Color)	4289698845 (0xFFAF9C1D)
YUV	147.2030, -58.2741, 24.3780
Hunter-Lab	57.4279, -7.9226, 34.0481

Details

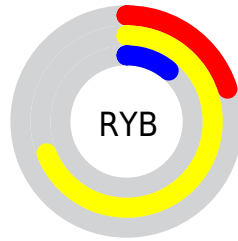
The Yxy color **32.9796, 0.4334, 0.4799** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.4654, 0.1664, 0.0978**, and the grayscale version is **29.4955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2737, 0.4154, 0.4549**, and **13.9547, 0.4392, 0.4894** is the 20% darker color. If you saturate the color by 10%, you get **32.1624, 0.4404, 0.4843**, and if you desaturate by 10%, it is **33.8634, 0.4236, 0.4711**.

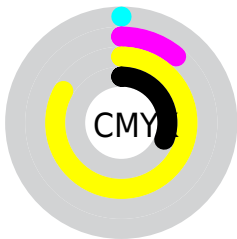
Distribution



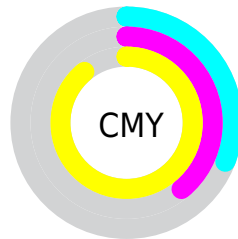
- Red (69%)
- Green (61%)
- Blue (11%)



- Red (20%)
- Yellow (69%)
- Blue (11%)



- Cyan (0%)
- Magenta (11%)
- Yellow (83%)
- Black (31%)




- Cyan (31%)
- Magenta (39%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9796, 0.4334, 0.4799 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 32.9796, 0.4334, 0.4799 by changing the saturation by 10% instead.


 32.9796, 0.4334,
0.4799

 32.9796, 0.4334,
0.4799


315.5578, 0.3772,
0.4065


 22.1108, 0.4436,
0.4948


 64.3437, 0.4153,
0.4551

 13.9383, 0.4536,
0.5109


 85.6078, 0.4077,
0.4451


 8.0778, 0.4668,
0.5332

 111.1057, 0.4009,
0.4364

 4.1448, 0.4616,
0.5384

 141.2220, 0.3950,
0.4288

 1.7549, 0.4530,
0.5470

 176.3409, 0.3897,
0.4222

 0.4588, 0.3902,
0.6098

 216.8470, 0.3851,

 0.0000, 0.0000,

0.4163

0.0000

263.1244, 0.3809,
0.4111

■ 32.9796, 0.4334,
0.4799

■ 32.9796, 0.4334,
0.4799

■ 32.1624, 0.4404,
0.4843

■ 33.8634, 0.4236,
0.4711

■ 31.6479, 0.4441,
0.4856

■ 34.8163, 0.4114,
0.4581

■ 35.8461, 0.3971,
0.4415

■ 36.9582, 0.3815,
0.4222

■ 38.1573, 0.3653,
0.4012

■ 39.4479, 0.3489,
0.3794

■ 40.8340, 0.3330,
0.3575

■ 42.3193, 0.3177,
0.3361

■ 43.9074, 0.3034,
0.3157

Harmonies

Analogous

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



32.9796, 0.4917, 0.4159



32.9796, 0.4334, 0.4799



32.9796, 0.3488, 0.5114

Triad

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



32.9796, 0.4334, 0.4799



32.9796, 0.1559, 0.2648



32.9796, 0.3467, 0.2310

Complementary

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



32.9796, 0.4334, 0.4799



5.4654, 0.1664, 0.0978

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.



32.9796, 0.2525, 0.1970



32.9796, 0.4334, 0.4799



32.9796, 0.1561, 0.2078

Square

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



32.9796, 0.4334, 0.4799



32.9796, 0.1900, 0.3628



32.9796, 0.1878, 0.1879



32.9796, 0.4440, 0.2842

Rectangle

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



32.9796, 0.4334, 0.4799



32.9796, 0.2883, 0.4921



32.9796, 0.1878, 0.1879



32.9796, 0.3130, 0.2172

Sweetspot

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



32.9812, 0.4334, 0.4799



70.2011, 0.3522, 0.3838



10.2064, 0.5706, 0.3122



15.4244, 0.3578, 0.3913



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.



32.9812, 0.4334, 0.4799



56.4754, 0.4445, 0.4852



34.8332, 0.3616, 0.5361



9.1501, 0.3266, 0.3486



22.7369, 0.4437, 0.4859



0.6808, 0.4354, 0.4925

Inverse Universe

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



5.4654, 0.1664, 0.0978



6.4450, 0.1524, 0.0687



5.7902, 0.1999, 0.0989



7.9186, 0.2986, 0.3087



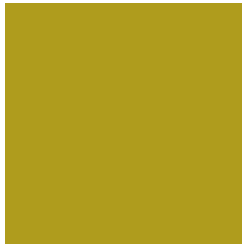
2.7005, 0.1532, 0.0715



0.1263, 0.1643, 0.1113

Previews

White Background



This preview shows how the Yxy color 32.9796, 0.4334, 0.4799 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 32.9796, 0.4334, 0.4799 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 32.9796, 0.4334, 0.4799

Background



This preview shows how black text looks on a background with the Yxy color 32.9796, 0.4334, 0.4799.



This preview shows how white text looks on a background with the Yxy color 32.9796, 0.4334, 0.4799.

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

32.9796, 0.4334, 0.4799

Protanopia

32.9796, 0.4334, 0.4799

Deuteranopia

33.0311, 0.4622, 0.4538



Tritanopia

32.8414, 0.3430, 0.3139

Trichromacy



Original Color

32.9796, 0.4334, 0.4799

Protanomaly

32.9796, 0.4334, 0.4799

Deuteranomaly

32.9289, 0.4515, 0.4636

Tritanomaly

32.4444, 0.3867, 0.3846

Monochromacy



Original Color

32.9796, 0.4334, 0.4799

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9803, 0.3654, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9796, 0.4334, 0.4799 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(175, 156, 29)` looks like.

```
.text, #text, p{  
    color:rgb(175, 156, 29)  
}
```

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(175, 156, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 156, 29) }
```

Border

The CSS property to change the border of an element to Yxy 32.9796, 0.4334, 0.4799 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(175, 156, 29) }
```

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

```
.border{ border-color:rgb(175, 156, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 156, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 156, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 156, 29);  
box-shadow:4px 4px 4px 4px rgb(175, 156,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9796, 0.4334, 0.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 156, 29) }
```

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

```
.background{ background-color: rgb(175,  
156, 29) }
```

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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