

Converting Colors

$Y_{xy}(32.6003, 0.4392, 0.5077)$

Have a look what the booklet for
Yxy(32.6003, 0.4392, 0.5077)
contains.

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Color

Yxy(32.8887, 0.4311, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	A99E00
RGB	169, 158, 0
RGB Percent	66%, 62%, 0%
CMY	0.3372, 0.3804, 0.9999
CMYK	0.00, 0.07, 1.00, 0.34
HSL	56°, 100%, 33%
HSV	56°, 100%, 66%
XYZ	28.5911, 32.8887, 4.8415
YIQ	143.2770, 57.2740, -46.8060

Conversions

Conversions Part 2

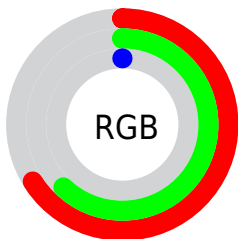
Format	Color
R _Y B	12, 169, 0
Decimal	11116032
CIE Lab	64.07, -10.11, 67.20
CIE LCh	64, 67.955, 98.560
Yxy	32.8887, 0.4311, 0.4959
Android (android.graphics.Color)	4289306112 (0xFFA99E00)
YUV	143.2770, -70.6356, 22.5591
Hunter-Lab	57.3487, -11.3693, 35.1387

Details

The Yxy color **32.8887, 0.4311, 0.4959** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.1053, 0.1513, 0.0645**, and the grayscale version is **27.8582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0754, 0.4153, 0.4687**, and **13.9601, 0.4270, 0.4992** is the 20% darker color. If you saturate the color by 10%, you get **32.8897, 0.4311, 0.4959**, and if you desaturate by 10%, it is **33.3079, 0.4271, 0.4926**.

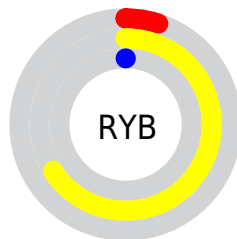
Distribution



Red (66%)

Green (62%)

Blue (0%)



Red (5%)

Yellow (66%)

Blue (0%)

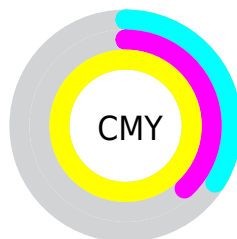


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8887, 0.4311, 0.4959 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 32.8887, 0.4311, 0.4959 by changing the saturation by 10% instead.

 32.8887, 0.4311,
0.4959


 32.8887, 0.4311,
0.4959


315.1479, 0.3782,
0.4149


 22.0412, 0.4393,
0.5120


 64.2017, 0.4150,
0.4688


 13.8872, 0.4468,
0.5298


 85.4360, 0.4079,
0.4578


 8.0422, 0.4515,
0.5485


 110.9014, 0.4015,
0.4482

 4.1220, 0.4423,
0.5577

 140.9822, 0.3958,
0.4398

 1.7420, 0.4269,
0.5731

 176.0629, 0.3906,
0.4324

 0.4507, 0.2870,
0.7130

 216.5278, 0.3861,

 0.0000, 0.0000,

0.4258

0.0000

262.7613, 0.3819,
0.4200

32.8887, 0.4311,
0.4959

32.8887, 0.4311,
0.4959

32.8897, 0.4311,
0.4959

33.3079, 0.4271,
0.4926

33.7629, 0.4210,
0.4858

34.2692, 0.4123,
0.4748

34.8330, 0.4012,
0.4598

35.4595, 0.3881,
0.4414

■ 36.1535, 0.3736,
0.4205

■ 36.9192, 0.3583,
0.3979

■ 37.7603, 0.3427,
0.3747

■ 38.6805, 0.3274,
0.3515

Harmonies

Analogous

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



32.8887, 0.4995, 0.4266



32.8887, 0.4311, 0.4959



32.8887, 0.3386, 0.5277

Triad

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



32.8887, 0.4311, 0.4959



32.8887, 0.1437, 0.2496



32.8887, 0.3609, 0.2292

Complementary

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



32.8887, 0.4311, 0.4959



3.1053, 0.1513, 0.0645

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.



32.8887, 0.2568, 0.1909



32.8887, 0.4311, 0.4959



32.8887, 0.1479, 0.1947

Square

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



32.8887, 0.4311, 0.4959



32.8887, 0.1746, 0.3518



32.8887, 0.1846, 0.1781



32.8887, 0.4648, 0.2867

Rectangle

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



32.8887, 0.4311, 0.4959



32.8887, 0.2745, 0.5014



32.8887, 0.1846, 0.1781



32.8887, 0.3239, 0.2139

Sweetspot

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



32.8903, 0.4311, 0.4959



66.0310, 0.3591, 0.3992



8.4616, 0.6323, 0.3257



14.2686, 0.3653, 0.4084



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.



32.8903, 0.4311, 0.4959



58.7741, 0.4313, 0.4957



30.8555, 0.3465, 0.5630



8.6889, 0.3264, 0.3499



24.5390, 0.4310, 0.4960



0.6211, 0.4267, 0.4994

Inverse Universe

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



3.1053, 0.1513, 0.0645



5.4522, 0.1510, 0.0634



4.2918, 0.1907, 0.0824



7.3761, 0.2986, 0.3072



2.3442, 0.1515, 0.0652



0.0808, 0.1579, 0.0884

Previews

White Background



This preview shows how the Yxy color 32.8887, 0.4311, 0.4959 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 Xy color 32.8887, 0.4311, 0.4959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

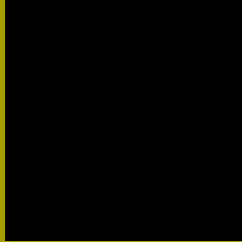
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8887, 0.4311, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 32.8887, 0.4311, 0.4959.



This preview shows how white text looks on a background with the Yxy color 32.8887, 0.4311, 0.4959.

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

32.8887, 0.4311, 0.4959

Protanopia

32.8909, 0.4397, 0.4891

Deuteranopia

32.6611, 0.4676, 0.4580



Tritanopia

32.9198, 0.3353, 0.3136

Trichromacy



Original Color

32.8887, 0.4311, 0.4959

Protanomaly

32.9982, 0.4364, 0.4917

Deuteranomaly

32.6040, 0.4547, 0.4722

Tritanomaly

32.1868, 0.3879, 0.4015

Monochromacy



Original Color

32.8887, 0.4311, 0.4959

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.6105, 0.3733, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8887, 0.4311, 0.4959 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(169, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 158, 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(169, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.8887, 0.4311, 0.4959 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(169, 158, 0) }
```

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

```
.border{ border-color:rgb(169, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8887, 0.4311, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 158, 0) }
```

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

```
.background{ background-color: rgb(169,  
158, 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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