

Converting Colors

$Y_{xy}(29.8985, 0.3832, 0.4096)$

Have a look what the booklet for
Yxy(29.8985, 0.3832, 0.4096)
contains.

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Color

$\text{Yxy}(29.8985, 0.3832, 0.4096)$

Conversions

Conversions Part 1

Format	Color
Hex	A4945F
RGB	164, 148, 95
RGB Percent	64%, 58%, 37%
CMY	0.3567, 0.4196, 0.6274
CMYK	0.00, 0.10, 0.42, 0.36
HSL	46°, 28%, 51%
HSV	46°, 42%, 64%
XYZ	27.9714, 29.8985, 15.1244
YIQ	146.7420, 26.5490, -13.0910

Conversions

Conversions Part 2

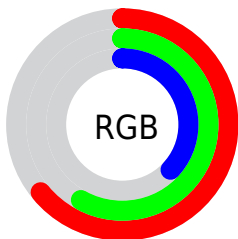
Format	Color
RYB	116, 164, 95
Decimal	10785887
CIELab	61.57, -1.76, 30.16
CIELCh	62, 30.208, 93.338
Yxy	29.8985, 0.3832, 0.4096
Android (android.graphics.Color)	4288975967 (0xFFA4945F)
YUV	146.7420, -25.5088, 15.1353
Hunter-Lab	54.6795, -4.3770, 21.8760

Details

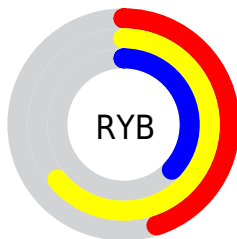
The Yxy color $29.8985, 0.3832, 0.4096$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.4959, 0.2409, 0.2322$, and the grayscale version is $29.1670, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5320, 0.3695, 0.3940$, and $12.3201, 0.4052, 0.4366$ is the 20% darker color. If you saturate the color by 10%, you get $28.4556, 0.4013, 0.4274$, and if you desaturate by 10%, it is $31.4464, 0.3652, 0.3905$.

Distribution



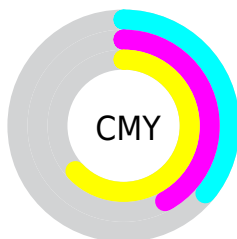
- Red (64%)
- Green (58%)
- Blue (37%)



- Red (45%)
- Yellow (64%)
- Blue (37%)



- Cyan (0%)
- Magenta (10%)
- Yellow (42%)
- Black (36%)





- Cyan (36%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8985, 0.3832, 0.4096 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 29.8985, 0.3832, 0.4096 by changing the saturation by 10% instead.


 29.8985, 0.3832,
0.4096


 29.8985, 0.3832,
0.4096


301.4311, 0.3462,
0.3669


 19.7616, 0.3927,
0.4208


 59.5016, 0.3694,
0.3936


 12.2218, 0.4049,
0.4352


 79.7366, 0.3644,
0.3877

 6.8949, 0.4207,
0.4542


 104.1064, 0.3601,
0.3828

 3.3965, 0.4456,
0.4844

 132.9953, 0.3565,
0.3787

 1.3421, 0.4761,
0.5239

166.7879, 0.3533,
0.3751

 0.1734, 0.4128,
0.5872

205.8684, 0.3506,

 0.0000, 0.0000,

0.3720

0.0000

250.6214, 0.3483,
0.3693

■ 29.8985, 0.3832,
0.4096

■ 29.8985, 0.3832,
0.4096

■ 28.4556, 0.4013,
0.4274

■ 31.4464, 0.3652,
0.3905

■ 27.1093, 0.4187,
0.4430

■ 33.0991, 0.3477,
0.3709

■ 25.8560, 0.4347,
0.4552

■ 34.8618, 0.3311,
0.3515

■ 24.6904, 0.4485,
0.4634

■ 36.7379, 0.3158,
0.3328

■ 23.6060, 0.4596,
0.4670

■ 38.7308, 0.3016,
0.3150

■ 22.7938, 0.4669,
0.4675

■ 40.8435, 0.2888,
0.2984

■ 43.0791, 0.2772,
0.2830

■ 45.4403, 0.2668,
0.2688

■ 47.9300, 0.2574,
0.2558

Harmonies

Analogous

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



29.8985, 0.4080, 0.3810



29.8985, 0.3832, 0.4096



29.8985, 0.3403, 0.4172

Triad

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



29.8985, 0.3832, 0.4096



29.8985, 0.2277, 0.3032



29.8985, 0.3283, 0.2736

Complementary

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



29.8985, 0.3832, 0.4096



16.4959, 0.2409, 0.2322

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.



29.8985, 0.2798, 0.2546



29.8985, 0.3832, 0.4096



29.8985, 0.2251, 0.2681

Square

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



29.8985, 0.3832, 0.4096



29.8985, 0.2513, 0.3511



29.8985, 0.2432, 0.2519



29.8985, 0.3757, 0.3051

Rectangle

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



29.8985, 0.3832, 0.4096



29.8985, 0.3079, 0.4059



29.8985, 0.2432, 0.2519



29.8985, 0.3115, 0.2657

Sweetspot

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



29.8999, 0.3832, 0.4096



62.8650, 0.3330, 0.3537



17.2325, 0.3928, 0.3037



13.5932, 0.3364, 0.3578



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.8999, 0.3832, 0.4096



51.9151, 0.3992, 0.4255



33.4684, 0.3549, 0.4377



7.9568, 0.3267, 0.3462



17.5430, 0.4664, 0.4679



0.4332, 0.4463, 0.4838

Inverse Universe

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



16.4959, 0.2409, 0.2322



24.4993, 0.2243, 0.2075



14.4057, 0.2557, 0.2086



7.1148, 0.2987, 0.3112



3.1872, 0.1578, 0.0882



0.1333, 0.1759, 0.1532

Previews

White Background



This preview shows how the Yxy color 29.8985, 0.3832, 0.4096 looks on a white background.

Color Contrast Check

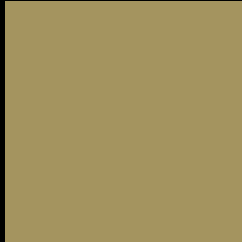
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8985, 0.3832, 0.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

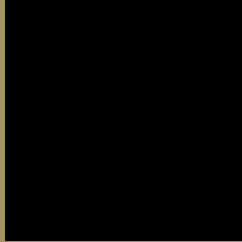
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8985, 0.3832, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 29.8985, 0.3832, 0.4096.



This preview shows how white text looks on a background with the Yxy color 29.8985, 0.3832, 0.4096.

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

29.8985, 0.3832, 0.4096

Protanopia

30.0025, 0.3803, 0.4117

Deuteranopia

29.7742, 0.4031, 0.3951



Tritanopia

29.8628, 0.3329, 0.3129

Trichromacy



Original Color

29.8985, 0.3832, 0.4096

Protanomaly

30.1076, 0.3814, 0.4114

Deuteranomaly

29.7897, 0.3960, 0.3994

Tritanomaly

29.9100, 0.3523, 0.3487

Monochromacy



Original Color

29.8985, 0.3832, 0.4096

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1983, 0.3379, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8985, 0.3832, 0.4096 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(164, 148, 95)` looks like.

```
.text, #text, p{  
    color:rgb(164, 148, 95)  
}
```

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(164, 148, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 148, 95) }
```

Border

The CSS property to change the border of an element to Yxy 29.8985, 0.3832, 0.4096 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(164, 148, 95) }
```

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

```
.border{ border-color:rgb(164, 148, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 148, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 148, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 148, 95);  
box-shadow:4px 4px 4px 4px rgb(164, 148,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8985, 0.3832, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 148, 95) }
```

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

```
.background{ background-color: rgb(164,  
148, 95) }
```

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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