

Converting Colors

$Y_{xy}(32.7204, 0.3979, 0.4314)$

Have a look what the booklet for
Yxy(32.7204, 0.3979, 0.4314)
contains.

Yxy(32.8379, 0.3983, 0.4317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8379, 0.3983, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	AC9B53
RGB	172, 155, 83
RGB Percent	67%, 61%, 33%
CMY	0.3255, 0.3921, 0.6744
CMYK	0.00, 0.10, 0.52, 0.33
HSL	49°, 35%, 50%
HSV	49°, 52%, 67%
XYZ	30.2973, 32.8379, 12.9313
YIQ	151.8750, 33.2440, -18.7880

Conversions

Conversions Part 2

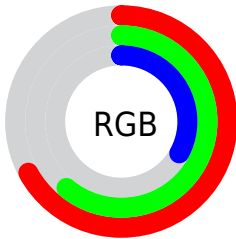
Format	Color
RYB	104, 172, 83
Decimal	11311955
CIELab	64.03, -3.40, 39.67
CIELCh	64, 39.819, 94.900
Yxy	32.8379, 0.3983, 0.4317
Android (android.graphics.Color)	4289502035 (0xFFAC9B53)
YUV	151.8750, -33.9554, 17.6496
Hunter-Lab	57.3044, -5.9082, 26.7337

Details

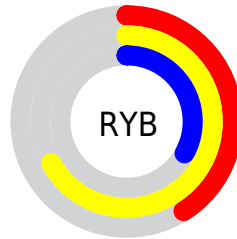
The Yxy color **32.8379, 0.3983, 0.4317** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.9396, 0.2212, 0.1980**, and the grayscale version is **31.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9802, 0.3829, 0.4123**, and **13.8677, 0.4223, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **31.5266, 0.4145, 0.4480**, and if you desaturate by 10%, it is **34.2479, 0.3812, 0.4131**.

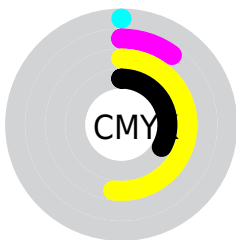
Distribution



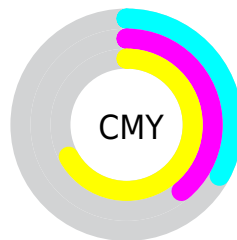
- Red (67%)
- Green (61%)
- Blue (33%)



- Red (41%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8379, 0.3983, 0.4317 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 32.8379, 0.3983, 0.4317 by changing the saturation by 10% instead.


 32.8379, 0.3983,
0.4317

 32.8379, 0.3983,
0.4317


314.9187, 0.3549,
0.3786


 22.0023, 0.4086,
0.4448


 64.1224, 0.3827,
0.4123

 13.8586, 0.4212,
0.4611


 85.3400, 0.3768,
0.4051

 8.0224, 0.4362,
0.4813


 110.7871, 0.3717,
0.3989

 4.1093, 0.4651,
0.5194

 140.8481, 0.3674,
0.3937

 1.7349, 0.4674,
0.5326

 175.9074, 0.3636,
0.3891

 0.4461, 0.4332,
0.5668

216.3493, 0.3603,

 0.0000, 0.0000,

0.3852

0.0000

262.5583, 0.3574,
0.3817

■ 32.8379, 0.3983,
0.4317

■ 32.8379, 0.3983,
0.4317

■ 31.5266, 0.4145,
0.4480

■ 34.2479, 0.3812,
0.4131

■ 30.3043, 0.4292,
0.4609

■ 35.7568, 0.3638,
0.3930

■ 29.1666, 0.4415,
0.4697

■ 37.3703, 0.3468,
0.3725

■ 28.1065, 0.4511,
0.4740

■ 39.0925, 0.3305,
0.3521

■ 27.2759, 0.4574,
0.4750

■ 40.9271, 0.3152,
0.3323

■ 42.8776, 0.3011,
0.3136

■ 44.9474, 0.2882,
0.2960

■ 47.1395, 0.2765,
0.2797

■ 49.4571, 0.2659,
0.2647

Harmonies

Analogous

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



32.8379, 0.4326, 0.3943



32.8379, 0.3983, 0.4317



32.8379, 0.3428, 0.4428

Triad

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



32.8379, 0.3983, 0.4317



32.8379, 0.2058, 0.2918



32.8379, 0.3352, 0.2618

Complementary

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



32.8379, 0.3983, 0.4317



13.9396, 0.2212, 0.1980

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.



32.8379, 0.2735, 0.2375



32.8379, 0.3983, 0.4317



32.8379, 0.2043, 0.2498

Square

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



32.8379, 0.3983, 0.4317



32.8379, 0.2328, 0.3533



32.8379, 0.2275, 0.2324



32.8379, 0.3959, 0.3005

Rectangle

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



32.8379, 0.3983, 0.4317



32.8379, 0.3019, 0.4278



32.8379, 0.2275, 0.2324



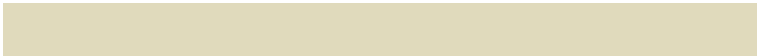
32.8379, 0.3137, 0.2518

Sweetspot

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



32.8394, 0.3983, 0.4317



69.4680, 0.3378, 0.3613



15.8986, 0.4276, 0.3028



14.9630, 0.3410, 0.3654



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.



32.8394, 0.3983, 0.4317



56.8758, 0.4167, 0.4500



36.1790, 0.3599, 0.4643



9.0661, 0.3267, 0.3472



20.3731, 0.4570, 0.4754



0.6327, 0.4437, 0.4859

Inverse Universe

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



13.9396, 0.2212, 0.1980



18.9041, 0.2002, 0.1641



12.4674, 0.2421, 0.1782



7.9957, 0.2986, 0.3101



3.0829, 0.1557, 0.0803



0.1569, 0.1701, 0.1322

Previews

White Background



This preview shows how the Yxy color 32.8379, 0.3983, 0.4317 looks on a white background.

Color Contrast Check

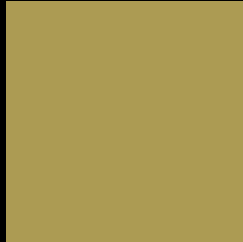
Large Text (above 18pt) WCAG AA × Fail

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 32.8379, 0.3983, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

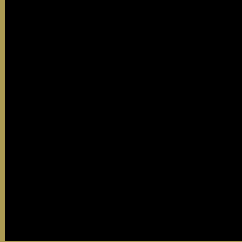
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8379, 0.3983, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 32.8379, 0.3983, 0.4317.



This preview shows how white text looks on a background with the Yxy color 32.8379, 0.3983, 0.4317.

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

32.8379, 0.3983, 0.4317

Protanopia

32.7251, 0.3972, 0.4322

Deuteranopia

32.7828, 0.4214, 0.4129



Tritanopia

32.6101, 0.3355, 0.3122

Trichromacy



Original Color

32.8379, 0.3983, 0.4317

Protanomaly

32.7251, 0.3972, 0.4322

Deuteranomaly

32.8406, 0.4124, 0.4207

Tritanomaly

32.3637, 0.3595, 0.3552

Monochromacy



Original Color

32.8379, 0.3983, 0.4317

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6857, 0.3439, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8379, 0.3983, 0.4317 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(172, 155, 83)` looks like.

```
.text, #text, p{  
    color:rgb(172, 155, 83)  
}
```

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(172, 155, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 155, 83) }
```

Border

The CSS property to change the border of an element to Yxy 32.8379, 0.3983, 0.4317 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(172, 155, 83) }
```

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

```
.border{ border-color:rgb(172, 155, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 155, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 155, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 155, 83);  
box-shadow:4px 4px 4px 4px rgb(172, 155,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8379, 0.3983, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 155, 83) }
```

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

```
.background{ background-color: rgb(172,  
155, 83) }
```

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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