

Converting Colors

$Y_{xy}(28.3371, 0.4358, 0.4851)$

Have a look what the booklet for
Yxy(28.3371, 0.4358, 0.4851)
contains.

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Color

Yxy(28.3817, 0.4356, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	A39210
RGB	163, 146, 16
RGB Percent	64%, 57%, 6%
CMY	0.3608, 0.4274, 0.9372
CMYK	0.00, 0.10, 0.90, 0.36
HSL	53°, 82%, 35%
HSV	53°, 90%, 64%
XYZ	25.4751, 28.3817, 4.6260
YIQ	136.2630, 51.8620, -36.8260

Conversions

Conversions Part 2

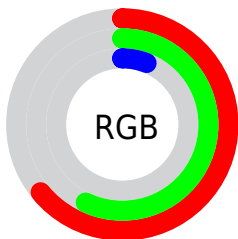
Format	Color
RYB	35, 163, 16
Decimal	10719760
CIELab	60.23, -6.21, 61.65
CIElCh	60, 61.959, 95.753
Yxy	28.3817, 0.4356, 0.4853
Android (android.graphics.Color)	4288909840 (0xFFA39210)
YUV	136.2630, -59.2897, 23.4483
Hunter-Lab	53.2745, -7.8742, 32.1438

Details

The Yxy color **28.3817, 0.4356, 0.4853** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.8417, 0.1594, 0.0831**, and the grayscale version is **24.9376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2308, 0.4161, 0.4593**, and **11.4915, 0.4376, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **27.7797, 0.4410, 0.4881**, and if you desaturate by 10%, it is **29.0370, 0.4280, 0.4791**.

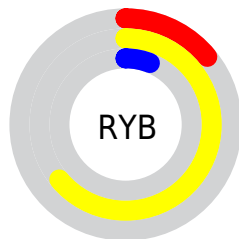
Distribution



Red (64%)

Green (57%)

Blue (6%)



Red (14%)

Yellow (64%)

Blue (6%)

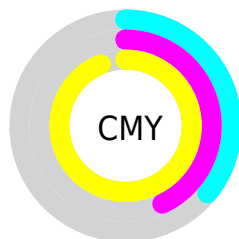


Cyan (0%)

Magenta (10%)

Yellow (90%)

Black (36%)



Cyan (36%)


Magenta (43%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3817, 0.4356, 0.4853 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 28.3817, 0.4356, 0.4853 by changing the saturation by 10% instead.


 28.3817, 0.4356,
0.4853


 28.3817, 0.4356,
0.4853


294.2864, 0.3776,
0.4077


 18.6136, 0.4458,
0.5010


 57.0933, 0.4170,
0.4590

 11.3914, 0.4564,
0.5190


 76.8055, 0.4091,
0.4484


 6.3307, 0.4636,
0.5364


 100.6013, 0.4021,
0.4392

 3.0472, 0.4570,
0.5430

 128.8649, 0.3959,
0.4312

 1.1564, 0.4452,
0.5548

 161.9808, 0.3905,
0.4242

 0.0257, 0.0000,
1.0000

 200.3335, 0.3857,

 0.0000, 0.0000,

0.4180

0.0000

244.3072, 0.3814,
0.4126

28.3817, 0.4356,
0.4853

28.3817, 0.4356,
0.4853

27.7797, 0.4410,
0.4881

29.0370, 0.4280,
0.4791

29.7446, 0.4178,
0.4686

30.5114, 0.4053,
0.4542

31.3424, 0.3909,
0.4364

32.2419, 0.3754,
0.4163

■ 33.2138, 0.3594,
0.3948

■ 34.2616, 0.3434,
0.3727

■ 35.3886, 0.3278,
0.3507

■ 36.5979, 0.3130,
0.3294

Harmonies

Analogous

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



28.3817, 0.4973, 0.4183



28.3817, 0.4356, 0.4853



28.3817, 0.3477, 0.5192

Triad

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



28.3817, 0.4356, 0.4853



28.3817, 0.1505, 0.2606



28.3817, 0.3492, 0.2282

Complementary

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



28.3817, 0.4356, 0.4853



3.8417, 0.1594, 0.0831

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.



28.3817, 0.2512, 0.1931



28.3817, 0.4356, 0.4853



28.3817, 0.1514, 0.2029

Square

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



28.3817, 0.4356, 0.4853



28.3817, 0.1846, 0.3623



28.3817, 0.1842, 0.1832



28.3817, 0.4505, 0.2830

Rectangle

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



28.3817, 0.4356, 0.4853



28.3817, 0.2853, 0.4991



28.3817, 0.1842, 0.1832



28.3817, 0.3141, 0.2140

Sweetspot

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



28.3831, 0.4356, 0.4853



59.9804, 0.3551, 0.3889



8.2671, 0.5973, 0.3173



13.3392, 0.3603, 0.3960



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.



28.3831, 0.4356, 0.4853



49.5692, 0.4414, 0.4877



29.3320, 0.3579, 0.5464



8.0969, 0.3264, 0.3487



21.6356, 0.4407, 0.4882



0.4915, 0.4320, 0.4952

Inverse Universe

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



3.8417, 0.1594, 0.0831



5.4079, 0.1521, 0.0676



4.4064, 0.1942, 0.0901



6.9857, 0.2987, 0.3085



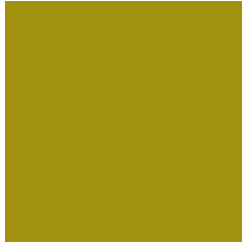
2.4497, 0.1528, 0.0702



0.0880, 0.1641, 0.1107

Previews

White Background



This preview shows how the Yxy color 28.3817, 0.4356, 0.4853 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 Xy color 28.3817, 0.4356, 0.4853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

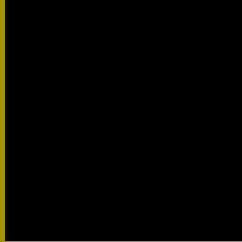
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3817, 0.4356, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 28.3817, 0.4356, 0.4853.



This preview shows how white text looks on a background with the Yxy color 28.3817, 0.4356, 0.4853.

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

28.3817, 0.4356, 0.4853

Protanopia

28.4877, 0.4367, 0.4844

Deuteranopia

28.3102, 0.4649, 0.4573



Tritanopia

28.3416, 0.3414, 0.3143

Trichromacy



Original Color

28.3817, 0.4356, 0.4853

Protanomaly

28.4877, 0.4367, 0.4844

Deuteranomaly

28.3340, 0.4547, 0.4674

Tritanomaly

27.9819, 0.3885, 0.3913

Monochromacy



Original Color

28.3817, 0.4356, 0.4853

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6399, 0.3697, 0.4092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3817, 0.4356, 0.4853 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(163, 146, 16)` looks like.

```
.text, #text, p{  
    color:rgb(163, 146, 16)  
}
```

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(163, 146, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 146, 16) }
```

Border

The CSS property to change the border of an element to Yxy 28.3817, 0.4356, 0.4853 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(163, 146, 16) }
```

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

```
.border{ border-color:rgb(163, 146, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 146, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 146, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 146, 16);  
box-shadow:4px 4px 4px 4px rgb(163, 146,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3817, 0.4356, 0.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 146, 16) }
```

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

```
.background{ background-color: rgb(163,  
146, 16) }
```

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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