

Converting Colors

$Y_{xy}(28.0778, 0.4366, 0.4839)$

Have a look what the booklet for
Yxy(28.0778, 0.4366, 0.4839)
contains.

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Color

$\text{Yxy}(28.0778, 0.4366, 0.4839)$

Conversions

Conversions Part 1

Format	Color
Hex	A39111
RGB	163, 145, 17
RGB Percent	64%, 57%, 7%
CMY	0.3607, 0.4314, 0.9335
CMYK	0.00, 0.11, 0.90, 0.36
HSL	53°, 81%, 35%
HSV	53°, 90%, 64%
XYZ	25.3333, 28.0778, 4.6129
YIQ	135.7900, 51.8160, -35.9920

Conversions

Conversions Part 2

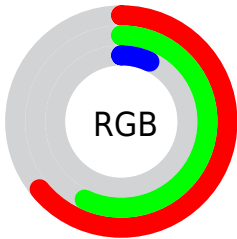
Format	Color
R_{YB}	38, 163, 17
Decimal	10719505
CIE _{Lab}	59.96, -5.63, 61.24
CIE _{LCh}	60, 61.500, 95.255
Yxy	28.0778, 0.4366, 0.4839
Android (android.graphics.Color)	4288909585 (0xFFA39111)
YUV	135.7900, -58.5635, 23.8632
Hunter-Lab	52.9885, -7.3908, 31.9305

Details

The Yxy color **28.0778, 0.4366, 0.4839** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.9649, 0.1603, 0.0854**, and the grayscale version is **24.7466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7691, 0.4168, 0.4584**, and **11.3102, 0.4394, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **27.4310, 0.4423, 0.4867**, and if you desaturate by 10%, it is **28.7702, 0.4286, 0.4776**.

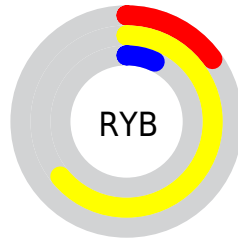
Distribution



Red (64%)

Green (57%)

Blue (7%)



Red (15%)

Yellow (64%)

Blue (7%)

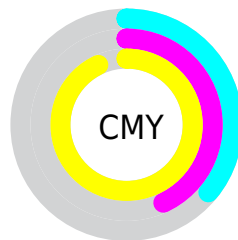


Cyan (0%)

Magenta (11%)

Yellow (90%)

Black (36%)



Cyan (36%)


Magenta (43%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0778, 0.4366, 0.4839 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 28.0778, 0.4366, 0.4839 by changing the saturation by 10% instead.


 28.0778, 0.4366,
0.4839


 28.0778, 0.4366,
0.4839


292.8385, 0.3778,
0.4070


 18.3843, 0.4471,
0.4995


 56.6086, 0.4176,
0.4578

 11.2263, 0.4580,
0.5173


 76.2148, 0.4096,
0.4473

 6.2192, 0.4657,
0.5343

 99.8939, 0.4026,
0.4382

 2.9788, 0.4596,
0.5404

 128.0304, 0.3963,
0.4303

 1.1207, 0.4487,
0.5513

 161.0088, 0.3909,
0.4233

 0.0000, 0.0000,
0.0000

 199.2133, 0.3860,

0.4172

243.0284, 0.3817,
0.4118

28.0778, 0.4366,
0.4839

28.0778, 0.4366,
0.4839

27.4310, 0.4423,
0.4867

28.7702, 0.4286,
0.4776

27.4050, 0.4426,
0.4868

29.5165, 0.4180,
0.4669

30.3238, 0.4051,
0.4523

31.1968, 0.3905,
0.4345

32.1400, 0.3748,
0.4144

■ 33.1571, 0.3586,
0.3930

■ 34.2518, 0.3425,
0.3710

■ 35.4273, 0.3269,
0.3492

■ 36.6867, 0.3121,
0.3282

Harmonies

Analogous

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



28.0778, 0.4974, 0.4170



28.0778, 0.4366, 0.4839



28.0778, 0.3492, 0.5185

Triad

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



28.0778, 0.4366, 0.4839



28.0778, 0.1513, 0.2623



28.0778, 0.3473, 0.2278

Complementary

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



28.0778, 0.4366, 0.4839



3.9649, 0.1603, 0.0854

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.



28.0778, 0.2500, 0.1931



28.0778, 0.4366, 0.4839



28.0778, 0.1516, 0.2039

Square

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



28.0778, 0.4366, 0.4839



28.0778, 0.1860, 0.3642



28.0778, 0.1838, 0.1837



28.0778, 0.4486, 0.2822

Rectangle

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



28.0778, 0.4366, 0.4839



28.0778, 0.2870, 0.4994



28.0778, 0.1838, 0.1837



28.0778, 0.3124, 0.2137

Sweetspot

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



28.0791, 0.4366, 0.4839



59.7665, 0.3552, 0.3884



8.3182, 0.5913, 0.3146



13.2858, 0.3605, 0.3955



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.



28.0791, 0.4366, 0.4839



48.8689, 0.4431, 0.4864



29.5216, 0.3604, 0.5438



8.0874, 0.3264, 0.3485



21.3386, 0.4423, 0.4870



0.4874, 0.4329, 0.4944

Inverse Universe

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



3.9649, 0.1603, 0.0854



5.4795, 0.1523, 0.0684



4.3662, 0.1923, 0.0896



6.9943, 0.2987, 0.3087



2.4856, 0.1531, 0.0711



0.0910, 0.1650, 0.1138

Previews

White Background



This preview shows how the Yxy color 28.0778, 0.4366, 0.4839 looks on a white background.

Color Contrast Check

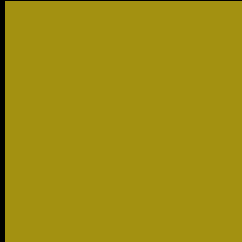
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0778, 0.4366, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

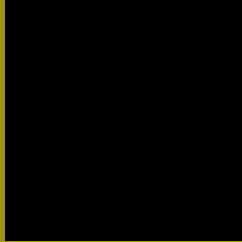
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0778, 0.4366, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 28.0778, 0.4366, 0.4839.



This preview shows how white text looks on a background with the Yxy color 28.0778, 0.4366, 0.4839.

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

28.0778, 0.4366, 0.4839

Protanopia

28.0778, 0.4366, 0.4839

Deuteranopia

27.9024, 0.4652, 0.4570



Tritanopia

28.0302, 0.3428, 0.3143

Trichromacy



Original Color

28.0778, 0.4366, 0.4839

Protanomaly

28.0778, 0.4366, 0.4839

Deuteranomaly

27.9243, 0.4549, 0.4671

Tritanomaly

27.6719, 0.3902, 0.3914

Monochromacy



Original Color

28.0778, 0.4366, 0.4839

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.3665, 0.3692, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0778, 0.4366, 0.4839 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, 145, 17)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 17)  
}
```

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, 145, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 17) }
```

Border

The CSS property to change the border of an element to Yxy 28.0778, 0.4366, 0.4839 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, 145, 17) }
```

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

```
.border{ border-color:rgb(163, 145, 17) }
```

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

Here you see how a box with a 4 pixel rgb(163, 145, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 17);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0778, 0.4366, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 145, 17) }
```

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

```
.background{ background-color: rgb(163,  
145, 17) }
```

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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