

Converting Colors

$Y_{xy}(28.1129, 0.4098, 0.5081)$

Have a look what the booklet for
Yxy(28.1129, 0.4098, 0.5081)
contains.

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Color

$\text{Yxy}(28.0867, 0.4095, 0.5083)$

Conversions

Conversions Part 1

Format	Color
Hex	90970B
RGB	144, 151, 11
RGB Percent	56%, 59%, 4%
CMY	0.4353, 0.4078, 0.9572
CMYK	0.05, 0.00, 0.93, 0.41
HSL	63°, 87%, 32%
HSV	63°, 93%, 59%
XYZ	22.6274, 28.0867, 4.5421
YIQ	132.9470, 40.7680, -45.0240

Conversions

Conversions Part 2

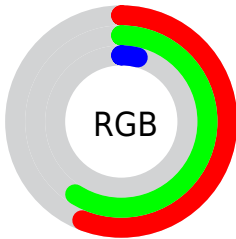
Format	Color
R_{YB}	11, 151, 18
Decimal	9475851
CIE Lab	59.97, -17.56, 61.61
CIE LCh	60, 64.067, 105.906
Yxy	28.0867, 0.4095, 0.5083
Android (android.graphics.Color)	4287665931 (0xFF90970B)
YUV	132.9470, -60.1199, 9.6935
Hunter-Lab	52.9969, -16.5327, 32.0164

Details

The Yxy color **28.0867, 0.4095, 0.5083** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5996, 0.1566, 0.0684**, and the grayscale version is **23.6437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6020, 0.3965, 0.4753**, and **11.2382, 0.4012, 0.5196** is the 20% darker color. If you saturate the color by 10%, you get **28.0150, 0.4108, 0.5121**, and if you desaturate by 10%, it is **28.2070, 0.4064, 0.5009**.

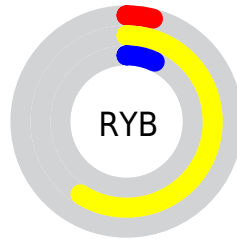
Distribution



Red (56%)

Green (59%)

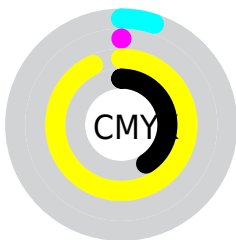
Blue (4%)



Red (4%)

Yellow (59%)

Blue (7%)

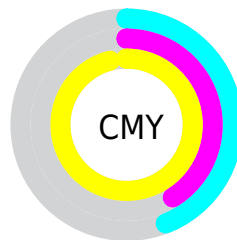


Cyan (5%)

Magenta (0%)

Yellow (93%)

Black (41%)



Cyan (44%)


Magenta (41%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0867, 0.4095, 0.5083 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 28.0867, 0.4095, 0.5083 by changing the saturation by 10% instead.


 28.0867, 0.4095,
0.5083


 28.0867, 0.4095,
0.5083

292.8810, 0.3663,
0.4152


 18.3910, 0.4154,
0.5291


 56.6228, 0.3967,
0.4754

 11.2311, 0.4202,
0.5546


 76.2321, 0.3909,
0.4625

 6.2225, 0.4184,
0.5816

 99.9146, 0.3856,
0.4516

 2.9808, 0.3986,
0.6014

 128.0549, 0.3808,
0.4422

 1.1217, 0.3560,
0.6440

 161.0373, 0.3766,
0.4341

 0.0000, 0.0000,
0.0000


 199.2462, 0.3728,


0.4270


 243.0659, 0.3694,
0.4208


 28.0867, 0.4095,
0.5083


 28.0867, 0.4095,
0.5083


 28.0150, 0.4108,
0.5121

 28.2070, 0.4064,
0.5009

 28.3619, 0.4009,
0.4894

 28.5579, 0.3930,
0.4738

 28.7989, 0.3828,
0.4546

 29.0886, 0.3710,
0.4328

■ 29.4303, 0.3579,
0.4091

■ 29.8269, 0.3442,
0.3844

■ 30.2812, 0.3302,
0.3597

■ 30.7958, 0.3165,
0.3355

Harmonies

Analogous

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



28.0867, 0.4855, 0.4442



28.0867, 0.4095, 0.5083



28.0867, 0.3150, 0.5219

Triad

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



28.0867, 0.4095, 0.5083



28.0867, 0.1425, 0.2326



28.0867, 0.3879, 0.2423

Complementary

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



28.0867, 0.4095, 0.5083



2.5996, 0.1566, 0.0684

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.



28.0867, 0.2802, 0.1987



28.0867, 0.4095, 0.5083



28.0867, 0.1546, 0.1883

Square

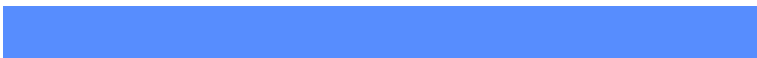
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.0867, 0.4095, 0.5083



28.0867, 0.1642, 0.3229



28.0867, 0.1995, 0.1794



28.0867, 0.4829, 0.3029

Rectangle

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



28.0867, 0.4095, 0.5083



28.0867, 0.2526, 0.4797



28.0867, 0.1995, 0.1794



28.0867, 0.3508, 0.2254

Sweetspot

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



28.0880, 0.4095, 0.5083



52.9883, 0.3522, 0.3987



7.0336, 0.6192, 0.3340



11.9815, 0.3576, 0.4085



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.0880, 0.4095, 0.5083



50.1425, 0.4106, 0.5122



23.6132, 0.3345, 0.5663



7.2072, 0.3253, 0.3510



23.8346, 0.4108, 0.5120



0.3605, 0.4149, 0.5088

Inverse Universe

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



2.5996, 0.1566, 0.0684



4.0649, 0.1514, 0.0608



4.5445, 0.2215, 0.1035



6.0403, 0.2995, 0.3061



1.9461, 0.1521, 0.0612



0.0325, 0.1626, 0.0669

Previews

White Background



This preview shows how the Yxy color 28.0867, 0.4095, 0.5083 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 28.0867, 0.4095, 0.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

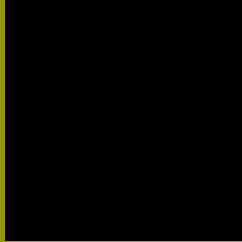
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0867, 0.4095, 0.5083

Background



This preview shows how black text looks on a background with the Yxy color 28.0867, 0.4095, 0.5083.



This preview shows how white text looks on a background with the Yxy color 28.0867, 0.4095, 0.5083.

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

28.0867, 0.4095, 0.5083

Protanopia

28.0527, 0.4386, 0.4870

Deuteranopia

27.9110, 0.4644, 0.4561



Tritanopia

27.8606, 0.3167, 0.3119

Trichromacy



Original Color

28.0867, 0.4095, 0.5083

Protanomaly

27.9529, 0.4282, 0.4948

Deuteranomaly

27.7250, 0.4447, 0.4749

Tritanomaly

27.3506, 0.3642, 0.4009

Monochromacy



Original Color

28.0867, 0.4095, 0.5083

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.7958, 0.3619, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0867, 0.4095, 0.5083 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(144, 151, 11)` looks like.

```
.text, #text, p{  
    color:rgb(144, 151, 11)  
}
```

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(144, 151, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 151, 11) }
```

Border

The CSS property to change the border of an element to Yxy 28.0867, 0.4095, 0.5083 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(144, 151, 11) }
```

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

```
.border{ border-color:rgb(144, 151, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 151, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 151, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 151, 11);  
box-shadow:4px 4px 4px 4px rgb(144, 151,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0867, 0.4095, 0.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 151, 11) }
```

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

```
.background{ background-color: rgb(144,  
151, 11) }
```

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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