

Converting Colors

$Y_{xy}(28.1233, 0.4078, 0.5001)$

Have a look what the booklet for
Yxy(28.1233, 0.4078, 0.5001)
contains.

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Color

$Y_{xy}(28.2275, 0.4067, 0.5007)$

Conversions

Conversions Part 1

Format	Color
Hex	91971A
RGB	145, 151, 26
RGB Percent	57%, 59%, 10%
CMY	0.4314, 0.4078, 0.8978
CMYK	0.04, 0.00, 0.83, 0.41
HSL	63°, 71%, 35%
HSV	63°, 83%, 59%
XYZ	22.9281, 28.2275, 5.2204
YIQ	134.9560, 36.5490, -40.1470

Conversions

Conversions Part 2

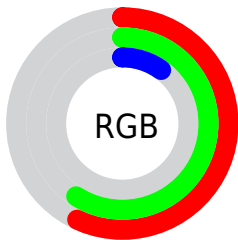
Format	Color
R_{YB}	26, 151, 32
Decimal	9541402
CIE _{Lab}	60.09, -16.74, 58.54
CIE _{LCh}	60, 60.885, 105.956
Yxy	28.2275, 0.4067, 0.5007
Android (android.graphics.Color)	4287731482 (0xFF91971A)
YUV	134.9560, -53.7153, 8.8086
Hunter-Lab	53.1296, -15.9448, 31.3650

Details

The Yxy color **28.2275, 0.4067, 0.5007** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.2845, 0.1663, 0.0833**, and the grayscale version is **24.4064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8437, 0.3939, 0.4689**, and **11.2880, 0.4029, 0.5183** is the 20% darker color. If you saturate the color by 10%, you get **28.1121, 0.4098, 0.5081**, and if you desaturate by 10%, it is **28.3816, 0.4011, 0.4892**.

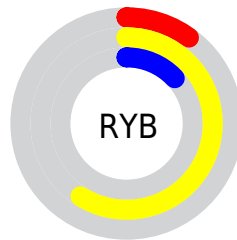
Distribution



Red (57%)

Green (59%)

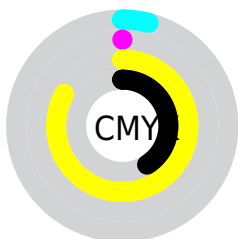
Blue (10%)



Red (10%)

Yellow (59%)

Blue (13%)

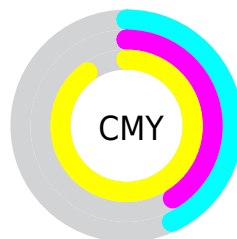


Cyan (4%)

Magenta (0%)

Yellow (83%)

Black (41%)



Cyan (43%)


Magenta (41%)


Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2275, 0.4067, 0.5007 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 28.2275, 0.4067, 0.5007 by changing the saturation by 10% instead.


 28.2275, 0.4067,
0.5007

 28.2275, 0.4067,
0.5007


293.5524, 0.3638,
0.4109

 18.4972, 0.4133,
0.5214


 56.8475, 0.3935,
0.4685

 11.3076, 0.4184,
0.5459


 76.5059, 0.3877,
0.4562


 6.2741, 0.4219,
0.5781


 100.2426, 0.3825,
0.4456

 3.0125, 0.4032,
0.5968

 128.4418, 0.3778,
0.4366

 1.1382, 0.3647,
0.6353

 161.4880, 0.3737,
0.4289

 0.0104, 0.0000,
1.0000

 199.7656, 0.3700,

 0.0000, 0.0000,

0.4221

0.0000

243.6589, 0.3668,
0.4162

■ 28.2275, 0.4067,
0.5007

■ 28.2275, 0.4067,
0.5007

■ 28.1121, 0.4098,
0.5081

■ 28.3816, 0.4011,
0.4892

■ 28.0404, 0.4111,
0.5118

■ 28.5752, 0.3931,
0.4736

■ 28.8140, 0.3830,
0.4545

■ 29.1014, 0.3711,
0.4326

■ 29.4408, 0.3580,
0.4089

■ 29.8351, 0.3442,
0.3843

■ 30.2871, 0.3302,
0.3596

■ 30.7994, 0.3164,
0.3355

■ 31.3742, 0.3032,
0.3124

Harmonies

Analogous

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



28.2275, 0.4788, 0.4414



28.2275, 0.4067, 0.5007



28.2275, 0.3161, 0.5110

Triad

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



28.2275, 0.4067, 0.5007



28.2275, 0.1491, 0.2375



28.2275, 0.3846, 0.2462

Complementary

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



28.2275, 0.4067, 0.5007



3.2845, 0.1663, 0.0833

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.



28.2275, 0.2823, 0.2039



28.2275, 0.4067, 0.5007



28.2275, 0.1608, 0.1942

Square

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



28.2275, 0.4067, 0.5007



28.2275, 0.1707, 0.3238



28.2275, 0.2045, 0.1853



28.2275, 0.4745, 0.3050

Rectangle

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



28.2275, 0.4067, 0.5007



28.2275, 0.2562, 0.4706



28.2275, 0.2045, 0.1853



28.2275, 0.3494, 0.2298

Sweetspot

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



28.2288, 0.4067, 0.5007



53.2197, 0.3480, 0.3912



7.5949, 0.5898, 0.3338



12.0438, 0.3525, 0.3991



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.



28.2288, 0.4067, 0.5007



50.2036, 0.4108, 0.5115



24.1127, 0.3404, 0.5492



7.2077, 0.3253, 0.3510



23.8554, 0.4111, 0.5118



0.3606, 0.4150, 0.5087

Inverse Universe

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



3.2845, 0.1663, 0.0833



4.1176, 0.1518, 0.0615



5.2876, 0.2296, 0.1163



6.0398, 0.2995, 0.3061



1.9445, 0.1521, 0.0611



0.0324, 0.1622, 0.0667

Previews

White Background



This preview shows how the Yxy color 28.2275, 0.4067, 0.5007 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 28.2275, 0.4067, 0.5007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

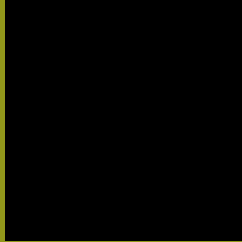
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2275, 0.4067, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 28.2275, 0.4067, 0.5007.



This preview shows how white text looks on a background with the Yxy color 28.2275, 0.4067, 0.5007.

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

28.2275, 0.4067, 0.5007

Protanopia

28.1033, 0.4345, 0.4808

Deuteranopia

27.9519, 0.4610, 0.4517



Tritanopia

28.2853, 0.3167, 0.3120

Trichromacy



Original Color

28.2275, 0.4067, 0.5007

Protanomaly

28.0055, 0.4239, 0.4882

Deuteranomaly

27.8799, 0.4421, 0.4689

Tritanomaly

27.8707, 0.3588, 0.3924

Monochromacy



Original Color

28.2275, 0.4067, 0.5007

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3649, 0.3578, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2275, 0.4067, 0.5007 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(145, 151, 26)` looks like.

```
.text, #text, p{  
    color:rgb(145, 151, 26)  
}
```

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(145, 151, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 151, 26) }
```

Border

The CSS property to change the border of an element to Yxy 28.2275, 0.4067, 0.5007 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(145, 151, 26) }
```

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

```
.border{ border-color:rgb(145, 151, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 151, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 151, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 151, 26);  
box-shadow:4px 4px 4px 4px rgb(145, 151,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2275, 0.4067, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 151, 26) }
```

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

```
.background{ background-color: rgb(145,  
151, 26) }
```

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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