

Converting Colors

$Y_{xy}(28.0677, 0.4009, 0.5199)$

Have a look what the booklet for
Yxy(28.0677, 0.4009, 0.5199)
contains.

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Color

Yxy(28.1008, 0.4013, 0.5195)

Conversions

Conversions Part 1

Format	Color
Hex	899900
RGB	137, 153, 0
RGB Percent	54%, 60%, 0%
CMY	0.4628, 0.4000, 0.9994
CMYK	0.10, 0.00, 1.00, 0.40
HSL	66°, 100%, 30%
HSV	66°, 100%, 60%
XYZ	21.7071, 28.1008, 4.2841
YIQ	130.7740, 39.5770, -50.9750

Conversions

Conversions Part 2

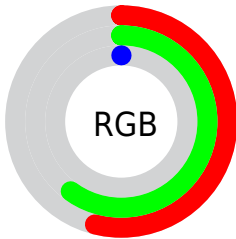
Format	Color
RYB	0, 153, 16
Decimal	9017600
CIELab	59.98, -21.87, 62.98
CIELCh	60, 66.665, 109.153
Yxy	28.1008, 0.4013, 0.5195
Android (android.graphics.Color)	4287207680 (0xFF899900)
YUV	130.7740, -64.4716, 5.4602
Hunter-Lab	53.0102, -19.6739, 32.3155

Details

The Yxy color **28.1008, 0.4013, 0.5195** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4152, 0.1543, 0.0624**, and the grayscale version is **22.8424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5629, 0.3911, 0.4837**, and **11.3417, 0.3885, 0.5297** is the 20% darker color. If you saturate the color by 10%, you get **28.1003, 0.4013, 0.5196**, and if you desaturate by 10%, it is **28.2741, 0.4004, 0.5131**.

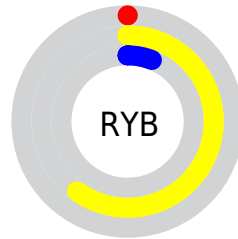
Distribution



Red (54%)

Green (60%)

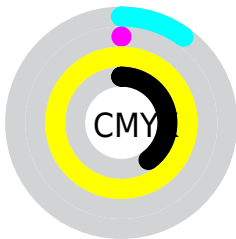
Blue (0%)



Red (0%)

Yellow (60%)

Blue (6%)

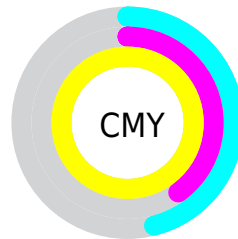


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (46%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1008, 0.4013, 0.5195 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 28.1008, 0.4013, 0.5195 by changing the saturation by 10% instead.


 28.1008, 0.4013,
0.5195


 28.1008, 0.4013,
0.5195


292.9483, 0.3635,
0.4197

 18.4017, 0.4053,
0.5422


 56.6453, 0.3908,
0.4839

 11.2387, 0.4080,
0.5709


 76.2595, 0.3857,
0.4702


 6.2277, 0.4009,
0.5991

 99.9475, 0.3810,
0.4585

 2.9840, 0.3759,
0.6241

 128.0937, 0.3768,
0.4484


 1.1234, 0.3148,
0.6852


 161.0825, 0.3729,
0.4398


 0.0000, 0.0000,
0.0000


 199.2982, 0.3694,


0.4322

 243.1253, 0.3663,
0.4256


 28.1008, 0.4013,
0.5195

 28.1008, 0.4013,
0.5195


 28.1003, 0.4013,
0.5196

 28.2741, 0.4004,
0.5131

 28.4744, 0.3976,
0.5035

 28.7150, 0.3923,
0.4897

 29.0007, 0.3847,
0.4719

 29.3356, 0.3750,
0.4508

■ 29.7233, 0.3637,
0.4275

■ 30.1671, 0.3513,
0.4028

■ 30.6700, 0.3384,
0.3776

■ 31.2348, 0.3254,
0.3527

Harmonies

Analogous

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



28.1008, 0.4836, 0.4545



28.1008, 0.4013, 0.5195



28.1008, 0.3031, 0.5266

Triad

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



28.1008, 0.4013, 0.5195



28.1008, 0.1372, 0.2216



28.1008, 0.4030, 0.2454

Complementary

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



28.1008, 0.4013, 0.5195



2.4152, 0.1543, 0.0624

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.



28.1008, 0.2899, 0.1985



28.1008, 0.4013, 0.5195



28.1008, 0.1532, 0.1812

Square

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



28.1008, 0.4013, 0.5195



28.1008, 0.1550, 0.3095



28.1008, 0.2028, 0.1758



28.1008, 0.4971, 0.3086

Rectangle

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



28.1008, 0.4013, 0.5195



28.1008, 0.2400, 0.4756



28.1008, 0.2028, 0.1758



28.1008, 0.3645, 0.2274

Sweetspot

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



28.1021, 0.4013, 0.5195



53.9628, 0.3522, 0.4045



7.1275, 0.6304, 0.3374



11.8458, 0.3570, 0.4141



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.



28.1021, 0.4013, 0.5195



50.2727, 0.4009, 0.5198



23.7862, 0.3251, 0.5799



7.1900, 0.3245, 0.3511



23.2311, 0.4014, 0.5195



0.3555, 0.4100, 0.5127

Inverse Universe

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



2.4152, 0.1543, 0.0624



4.2766, 0.1534, 0.0619



4.5720, 0.2246, 0.1011



6.0558, 0.3004, 0.3061



1.9999, 0.1546, 0.0625



0.0370, 0.1756, 0.0741

Previews

White Background



This preview shows how the Yxy color 28.1008, 0.4013, 0.5195 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 28.1008, 0.4013, 0.5195 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 28.1008, 0.4013, 0.5195

Background



This preview shows how black text looks on a background with the Yxy color 28.1008, 0.4013, 0.5195.



This preview shows how white text looks on a background with the Yxy color 28.1008, 0.4013, 0.5195.

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

28.1008, 0.4013, 0.5195

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9110, 0.4644, 0.4561



Tritanopia

27.9418, 0.3083, 0.3117

Trichromacy



Original Color

28.1008, 0.4013, 0.5195

Protanomaly

28.0498, 0.4262, 0.4998

Deuteranomaly

27.7924, 0.4423, 0.4793

Tritanomaly

27.3501, 0.3594, 0.4106

Monochromacy



Original Color

28.1008, 0.4013, 0.5195

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.0763, 0.3636, 0.4277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1008, 0.4013, 0.5195 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(137, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 0)  
}
```

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(137, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.1008, 0.4013, 0.5195 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(137, 153, 0) }
```

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

```
.border{ border-color:rgb(137, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(137, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1008, 0.4013, 0.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 0) }
```

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

```
.background{ background-color: rgb(137,  
153, 0) }
```

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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