

Converting Colors

$Y_{xy}(28.2192, 0.4022, 0.4889)$

Have a look what the booklet for
Yxy(28.2192, 0.4022, 0.4889)
contains.

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Color

Yxy(28.0838, 0.4025, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	929629
RGB	146, 150, 41
RGB Percent	57%, 59%, 16%
CMY	0.4275, 0.4117, 0.8393
CMYK	0.03, 0.00, 0.73, 0.41
HSL	62°, 57%, 37%
HSV	62°, 73%, 59%
XYZ	23.1586, 28.0838, 6.2945
YIQ	136.3780, 32.6050, -34.7470

Conversions

Conversions Part 2

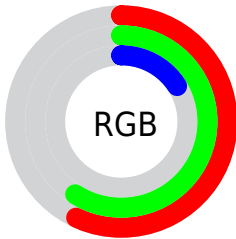
Format	Color
R_{YB}	41, 150, 45
Decimal	9606697
CIE _{Lab}	59.96, -15.14, 53.64
CIE _{LCh}	60, 55.736, 105.762
Yxy	28.0838, 0.4025, 0.4881
Android (android.graphics.Color)	4287796777 (0xFF929629)
YUV	136.3780, -47.0214, 8.4385
Hunter-Lab	52.9942, -14.7346, 30.0536

Details

The Yxy color **28.0838, 0.4025, 0.4881** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.3434, 0.1798, 0.1059**, and the grayscale version is **24.9394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6904, 0.3893, 0.4575**, and **11.1990, 0.4077, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **27.9491, 0.4083, 0.4994**, and if you desaturate by 10%, it is **28.2612, 0.3943, 0.4727**.

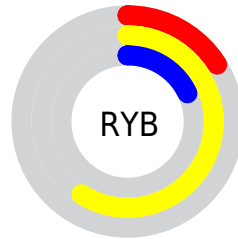
Distribution



Red (57%)

Green (59%)

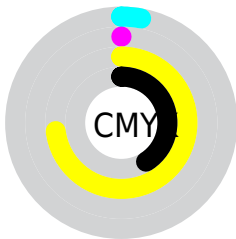
Blue (16%)



Red (16%)

Yellow (59%)

Blue (18%)

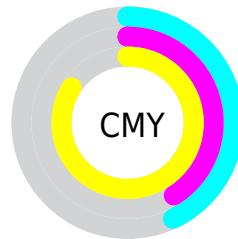


Cyan (3%)

Magenta (0%)

Yellow (73%)

Black (41%)



Cyan (43%)


Magenta (41%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0838, 0.4025, 0.4881 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 28.0838, 0.4025, 0.4881 by changing the saturation by 10% instead.


 28.0838, 0.4025,
0.4881


 28.0838, 0.4025,
0.4881


292.8671, 0.3601,
0.4040


 18.3888, 0.4100,
0.5083


 56.6182, 0.3888,
0.4575


 11.2295, 0.4167,
0.5325


 76.2264, 0.3830,
0.4459


 6.2214, 0.4282,
0.5718

 99.9079, 0.3779,
0.4361

 2.9802, 0.4112,
0.5888

 128.0469, 0.3735,
0.4277

 1.1214, 0.3771,
0.6229

 161.0280, 0.3695,
0.4205

 0.0000, 0.0000,
0.0000

 199.2354, 0.3660,

0.4143

243.0537, 0.3629,
0.4088

■ 28.0838, 0.4025,
0.4881

■ 28.0838, 0.4025,
0.4881

■ 27.9491, 0.4083,
0.4994

■ 28.2612, 0.3943,
0.4727

■ 27.8484, 0.4116,
0.5066

■ 28.4816, 0.3839,
0.4538

■ 27.7877, 0.4130,
0.5103

■ 28.7498, 0.3718,
0.4321

■ 29.0689, 0.3585,
0.4086

■ 29.4420, 0.3445,
0.3841

■ 29.8717, 0.3303,
0.3594

■ 30.3605, 0.3164,
0.3353

■ 30.9108, 0.3030,
0.3122

■ 31.5249, 0.2903,
0.2905

Harmonies

Analogous

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



28.0838, 0.4682, 0.4356



28.0838, 0.4025, 0.4881



28.0838, 0.3182, 0.4946

Triad

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



28.0838, 0.4025, 0.4881



28.0838, 0.1598, 0.2457



28.0838, 0.3785, 0.2519

Complementary

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



28.0838, 0.4025, 0.4881



4.3434, 0.1798, 0.1059

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.



28.0838, 0.2846, 0.2120



28.0838, 0.4025, 0.4881



28.0838, 0.1705, 0.2039

Square

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



28.0838, 0.4025, 0.4881



28.0838, 0.1812, 0.3260



28.0838, 0.2119, 0.1946



28.0838, 0.4608, 0.3076

Rectangle

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



28.0838, 0.4025, 0.4881



28.0838, 0.2622, 0.4576



28.0838, 0.2119, 0.1946



28.0838, 0.3464, 0.2364

Sweetspot

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



28.0851, 0.4025, 0.4881



51.9706, 0.3441, 0.3834



8.4912, 0.5474, 0.3344



11.4802, 0.3475, 0.3894



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.0851, 0.4025, 0.4881



49.2042, 0.4105, 0.5042



24.2429, 0.3422, 0.5282



6.7339, 0.3254, 0.3509



23.0469, 0.4131, 0.5102



0.2848, 0.4164, 0.5076

Inverse Universe

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



4.3434, 0.1798, 0.1059



4.8874, 0.1593, 0.0731



6.4454, 0.2417, 0.1360



5.6425, 0.2994, 0.3062



1.8591, 0.1516, 0.0609



0.0248, 0.1595, 0.0652

Previews

White Background



This preview shows how the Yxy color 28.0838, 0.4025, 0.4881 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 28.0838, 0.4025, 0.4881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

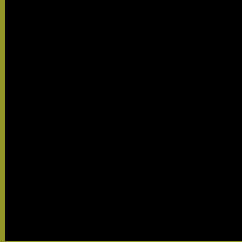
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0838, 0.4025, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 28.0838, 0.4025, 0.4881.



This preview shows how white text looks on a background with the Yxy color 28.0838, 0.4025, 0.4881.

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

28.0838, 0.4025, 0.4881

Protanopia

28.0854, 0.4264, 0.4714

Deuteranopia

27.9123, 0.4532, 0.4439



Tritanopia

28.0585, 0.3189, 0.3121

Trichromacy



Original Color

28.0838, 0.4025, 0.4881

Protanomaly

28.0886, 0.4175, 0.4781

Deuteranomaly

27.8527, 0.4343, 0.4604

Tritanomaly

27.7696, 0.3553, 0.3825

Monochromacy



Original Color

28.0838, 0.4025, 0.4881

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.5648, 0.3528, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0838, 0.4025, 0.4881 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(146, 150, 41)` looks like.

```
.text, #text, p{  
    color:rgb(146, 150, 41)  
}
```

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(146, 150, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 150, 41) }
```

Border

The CSS property to change the border of an element to Yxy 28.0838, 0.4025, 0.4881 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(146, 150, 41) }
```

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

```
.border{ border-color:rgb(146, 150, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 150, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 150, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 150, 41);  
box-shadow:4px 4px 4px 4px rgb(146, 150,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0838, 0.4025, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 150, 41) }
```

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

```
.background{ background-color: rgb(146,  
150, 41) }
```

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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