

Converting Colors

$Yxy(27.4426, 0.4181, 0.5036)$

Have a look what the booklet for
Yxy(27.4426, 0.4181, 0.5036)
contains.

Yxy(27.4889, 0.4182, 0.5035)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(27.4889, 0.4182, 0.5035)$

Conversions

Conversions Part 1

Format	Color
Hex	949406
RGB	148, 148, 6
RGB Percent	58%, 58%, 2%
CMY	0.4197, 0.4196, 0.9764
CMYK	0.00, 0.00, 0.96, 0.42
HSL	60°, 92%, 30%
HSV	60°, 96%, 58%
XYZ	22.8319, 27.4889, 4.2748
YIQ	131.8120, 45.5820, -44.1620

Conversions

Conversions Part 2

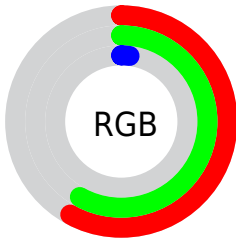
Format	Color
RYB	6, 148, 6
Decimal	9737222
CIELab	59.42, -14.29, 62.07
CIELCh	59, 63.690, 102.963
Yxy	27.4889, 0.4182, 0.5035
Android (android.graphics.Color)	4287927302 (0xFF949406)
YUV	131.8120, -62.0253, 14.1969
Hunter-Lab	52.4299, -14.0200, 31.8667

Details

The Yxy color **27.4889, 0.4182, 0.5035** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.3081, 0.1525, 0.0642**, and the grayscale version is **23.2185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7146, 0.4029, 0.4723**, and **11.0625, 0.4110, 0.5119** is the 20% darker color. If you saturate the color by 10%, you get **27.4769, 0.4193, 0.5053**, and if you desaturate by 10%, it is **27.5309, 0.4149, 0.4981**.

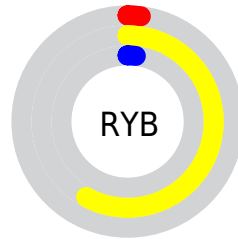
Distribution



Red (58%)

Green (58%)

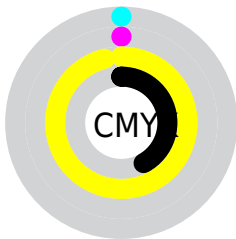
Blue (2%)



Red (2%)

Yellow (58%)

Blue (2%)

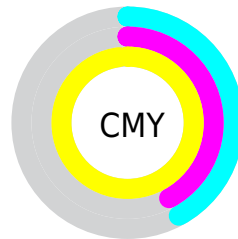


Cyan (0%)

Magenta (0%)

Yellow (96%)

Black (42%)



Cyan (42%)


Magenta (42%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4889, 0.4182, 0.5035 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 27.4889, 0.4182, 0.5035 by changing the saturation by 10% instead.


 27.4889, 0.4182,
0.5035


 27.4889, 0.4182,
0.5035


290.0166, 0.3702,
0.4139


 17.9407, 0.4253,
0.5229


 55.6674, 0.4036,
0.4722

 10.9075, 0.4322,
0.5471


 75.0665, 0.3971,
0.4599


 6.0046, 0.4309,
0.5691

 98.5181, 0.3913,
0.4493


 2.8479, 0.4145,
0.5855

 126.4065, 0.3861,
0.4402


 1.0528, 0.3791,
0.6209


 159.1162, 0.3814,
0.4323


 0.0000, 0.0000,
0.0000


 197.0315, 0.3773,


0.4254

 240.5368, 0.3736,
0.4193


 27.4889, 0.4182,
0.5035


 27.4889, 0.4182,
0.5035


 27.4769, 0.4193,
0.5053

 27.5309, 0.4149,
0.4981

 27.6028, 0.4093,
0.4889

 27.7121, 0.4013,
0.4755

 27.8628, 0.3909,
0.4584

 28.0584, 0.3787,
0.4381

■ 28.3023, 0.3651,
0.4156

■ 28.5973, 0.3506,
0.3917

■ 28.9461, 0.3358,
0.3673

■ 29.3512, 0.3212,
0.3430

Harmonies

Analogous

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



27.4889, 0.4913, 0.4372



27.4889, 0.4182, 0.5035



27.4889, 0.3244, 0.5247

Triad

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



27.4889, 0.4182, 0.5035



27.4889, 0.1429, 0.2392



27.4889, 0.3771, 0.2370

Complementary

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



27.4889, 0.4182, 0.5035



2.3081, 0.1525, 0.0642

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.



27.4889, 0.2707, 0.1956



27.4889, 0.4182, 0.5035



27.4889, 0.1518, 0.1907

Square

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



27.4889, 0.4182, 0.5035



27.4889, 0.1683, 0.3342



27.4889, 0.1934, 0.1788



27.4889, 0.4759, 0.2964

Rectangle

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



27.4889, 0.4182, 0.5035



27.4889, 0.2613, 0.4887



27.4889, 0.1934, 0.1788



27.4889, 0.3399, 0.2208

Sweetspot

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



27.4902, 0.4182, 0.5035



50.2491, 0.3559, 0.4005



6.4408, 0.6308, 0.3299



11.4250, 0.3616, 0.4098



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.



27.4902, 0.4182, 0.5035



48.4725, 0.4193, 0.5053



22.7752, 0.3395, 0.5650



6.7446, 0.3259, 0.3509



23.4654, 0.4193, 0.5053



0.2872, 0.4193, 0.5053

Inverse Universe

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



2.3081, 0.1525, 0.0642



3.7730, 0.1500, 0.0600



3.8473, 0.2085, 0.0947



5.6330, 0.2989, 0.3061



1.8266, 0.1500, 0.0600



0.0224, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 27.4889, 0.4182, 0.5035 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 27.4889, 0.4182, 0.5035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

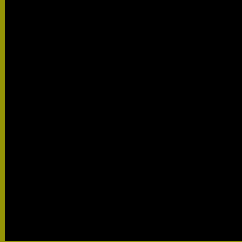
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4889, 0.4182, 0.5035

Background



This preview shows how black text looks on a background with the Yxy color 27.4889, 0.4182, 0.5035.



This preview shows how white text looks on a background with the Yxy color 27.4889, 0.4182, 0.5035.

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

27.4889, 0.4182, 0.5035

Protanopia

27.2220, 0.4402, 0.4887

Deuteranopia

27.4939, 0.4658, 0.4571



Tritanopia

27.5842, 0.3244, 0.3136

Trichromacy



Original Color

27.4889, 0.4182, 0.5035

Protanomaly

27.3231, 0.4317, 0.4946

Deuteranomaly

27.2317, 0.4494, 0.4736

Tritanomaly

27.0606, 0.3740, 0.4031

Monochromacy



Original Color

27.4889, 0.4182, 0.5035

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.2521, 0.3672, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4889, 0.4182, 0.5035 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(148, 148, 6)` looks like.

```
.text, #text, p{  
    color:rgb(148, 148, 6)  
}
```

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(148, 148, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 148, 6) }
```

Border

The CSS property to change the border of an element to Yxy 27.4889, 0.4182, 0.5035 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(148, 148, 6) }
```

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

```
.border{ border-color:rgb(148, 148, 6) }
```

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

Here you see how a box with a 4 pixel rgb(148, 148, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 148, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 148, 6);  
box-shadow:4px 4px 4px 4px rgb(148, 148,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4889, 0.4182, 0.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 148, 6) }
```

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

```
.background{ background-color: rgb(148,  
148, 6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor