

Converting Colors

$Y_{xy}(27.1209, 0.4027, 0.4965)$

Have a look what the booklet for
Yxy(27.1209, 0.4027, 0.4965)
contains.

Yxy(27.0404, 0.4036, 0.4956)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(27.0404, 0.4036, 0.4956)$

Conversions

Conversions Part 1

Format	Color
Hex	8E9421
RGB	142, 148, 33
RGB Percent	56%, 58%, 13%
CMY	0.4431, 0.4196, 0.8705
CMYK	0.04, 0.00, 0.78, 0.42
HSL	63°, 64%, 35%
HSV	63°, 78%, 58%
XYZ	22.0208, 27.0404, 5.4997
YIQ	133.0960, 33.3390, -37.0370

Conversions

Conversions Part 2

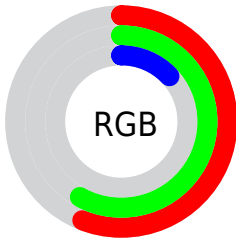
Format	Color
R_{YB}	33, 148, 39
Decimal	9344033
CIE _{Lab}	59.01, -16.23, 55.40
CIE _{LCh}	59, 57.730, 106.333
Yxy	27.0404, 0.4036, 0.4956
Android (android.graphics.Color)	4287534113 (0xFF8E9421)
YUV	133.0960, -49.3473, 7.8088
Hunter-Lab	52.0004, -15.4106, 30.1296

Details

The Yxy color **27.0404, 0.4036, 0.4956** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.6598, 0.1736, 0.0944**, and the grayscale version is **23.6687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9514, 0.3895, 0.4636**, and **10.8101, 0.4026, 0.5186** is the 20% darker color. If you saturate the color by 10%, you get **26.9080, 0.4079, 0.5052**, and if you desaturate by 10%, it is **27.2122, 0.3968, 0.4819**.

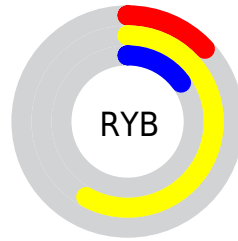
Distribution



Red (56%)

Green (58%)

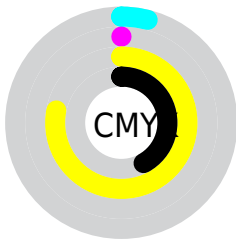
Blue (13%)



Red (13%)

Yellow (58%)

Blue (15%)

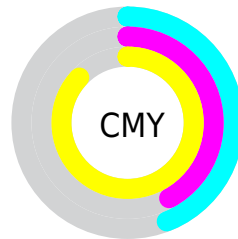


Cyan (4%)

Magenta (0%)

Yellow (78%)

Black (42%)



Cyan (44%)


Magenta (42%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0404, 0.4036, 0.4956 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 27.0404, 0.4036, 0.4956 by changing the saturation by 10% instead.


 27.0404, 0.4036,
0.4956


 27.0404, 0.4036,
0.4956


287.8527, 0.3612,
0.4073


 17.6036, 0.4106,
0.5167


 54.9487, 0.3902,
0.4635


 10.6657, 0.4162,
0.5417


 74.1889, 0.3844,
0.4513

 5.8425, 0.4224,
0.5776

 97.4658, 0.3793,
0.4410

 2.7496, 0.4032,
0.5968

 125.1636, 0.3748,
0.4322

 1.0024, 0.3551,
0.6449

 157.6668, 0.3708,
0.4246

 0.0000, 0.0000,
0.0000

 195.3598, 0.3672,

0.4181

238.6270, 0.3640,
0.4123

■ 27.0404, 0.4036,
0.4956

■ 27.0404, 0.4036,
0.4956

■ 26.9080, 0.4079,
0.5052

■ 27.2122, 0.3968,
0.4819

■ 26.8035, 0.4100,
0.5111

■ 27.4240, 0.3877,
0.4643

■ 26.7804, 0.4104,
0.5123

■ 27.6807, 0.3767,
0.4437

■ 27.9854, 0.3642,
0.4207

■ 28.3413, 0.3508,
0.3965

■ 28.7510, 0.3369,
0.3717

■ 29.2171, 0.3231,
0.3472

■ 29.7418, 0.3096,
0.3236

■ 30.3274, 0.2968,
0.3012

Harmonies

Analogous

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



27.0404, 0.4732, 0.4398



27.0404, 0.4036, 0.4956



27.0404, 0.3157, 0.5030

Triad

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



27.0404, 0.4036, 0.4956



27.0404, 0.1539, 0.2403



27.0404, 0.3833, 0.2496

Complementary

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



27.0404, 0.4036, 0.4956



3.6598, 0.1736, 0.0944

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.



27.0404, 0.2847, 0.2081



27.0404, 0.4036, 0.4956



27.0404, 0.1656, 0.1982

Square

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



27.0404, 0.4036, 0.4956



27.0404, 0.1748, 0.3233



27.0404, 0.2088, 0.1896



27.0404, 0.4692, 0.3072

Rectangle

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



27.0404, 0.4036, 0.4956



27.0404, 0.2577, 0.4633



27.0404, 0.2088, 0.1896



27.0404, 0.3496, 0.2335

Sweetspot

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



27.0417, 0.4036, 0.4956



50.2987, 0.3450, 0.3860



7.8429, 0.5666, 0.3365



11.4291, 0.3495, 0.3942



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.



27.0417, 0.4036, 0.4956



47.3425, 0.4095, 0.5095



23.2110, 0.3397, 0.5404



6.7294, 0.3252, 0.3509



22.8778, 0.4105, 0.5123



0.2838, 0.4152, 0.5085

Inverse Universe

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



3.6598, 0.1736, 0.0944



4.2487, 0.1553, 0.0665



5.7291, 0.2386, 0.1272



5.6465, 0.2997, 0.3062



1.8726, 0.1523, 0.0612



0.0258, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 27.0404, 0.4036, 0.4956 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 27.0404, 0.4036, 0.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

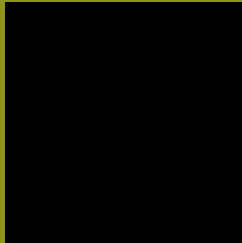
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0404, 0.4036, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 27.0404, 0.4036, 0.4956.



This preview shows how white text looks on a background with the Yxy color 27.0404, 0.4036, 0.4956.

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

27.0404, 0.4036, 0.4956

Protanopia

26.9239, 0.4314, 0.4754

Deuteranopia

26.9394, 0.4565, 0.4490



Tritanopia

27.0223, 0.3168, 0.3117

Trichromacy



Original Color

27.0404, 0.4036, 0.4956

Protanomaly

26.8231, 0.4211, 0.4832

Deuteranomaly

26.8891, 0.4370, 0.4658

Tritanomaly

26.7034, 0.3556, 0.3869

Monochromacy



Original Color

27.0404, 0.4036, 0.4956

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.2743, 0.3535, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0404, 0.4036, 0.4956 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(142, 148, 33)` looks like.

```
.text, #text, p{  
    color:rgb(142, 148, 33)  
}
```

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(142, 148, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 148, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.0404, 0.4036, 0.4956 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(142, 148, 33) }
```

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

```
.border{ border-color:rgb(142, 148, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 148, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 148, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 148, 33);  
box-shadow:4px 4px 4px 4px rgb(142, 148,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0404, 0.4036, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 148, 33) }
```

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

```
.background{ background-color: rgb(142,  
148, 33) }
```

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