

Converting Colors

$Y_{xy}(30.5440, 0.3993, 0.4674)$

Have a look what the booklet for
Yxy(30.5440, 0.3993, 0.4674)
contains.

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Color

$\text{Yxy}(30.4949, 0.3996, 0.4677)$

Conversions

Conversions Part 1

Format	Color
Hex	9C9A3B
RGB	156, 154, 59
RGB Percent	61%, 60%, 23%
CMY	0.3883, 0.3961, 0.7686
CMYK	0.00, 0.01, 0.62, 0.39
HSL	59°, 45%, 42%
HSV	59°, 62%, 61%
XYZ	26.0547, 30.4949, 8.6523
YIQ	143.7680, 31.6870, -29.1210

Conversions

Conversions Part 2

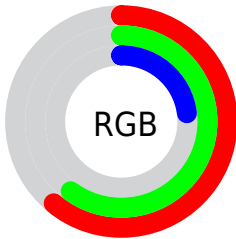
Format	Color
RYB	61, 156, 59
Decimal	10263099
CIELab	62.08, -11.74, 48.63
CIELCh	62, 50.032, 103.577
Yxy	30.4949, 0.3996, 0.4677
Android (android.graphics.Color)	4288453179 (0xFF9C9A3B)
YUV	143.7680, -41.7906, 10.7275
Hunter-Lab	55.2222, -12.4199, 29.3659

Details

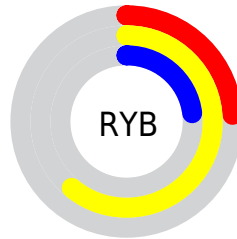
The Yxy color **30.4949, 0.3996, 0.4677** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.6681, 0.1958, 0.1378**, and the grayscale version is **27.9543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4056, 0.3854, 0.4403**, and **12.5253, 0.4177, 0.5065** is the 20% darker color. If you saturate the color by 10%, you get **30.2525, 0.4091, 0.4823**, and if you desaturate by 10%, it is **30.7888, 0.3880, 0.4495**.

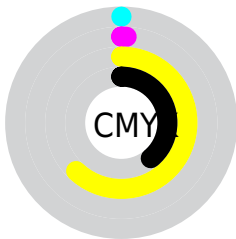
Distribution



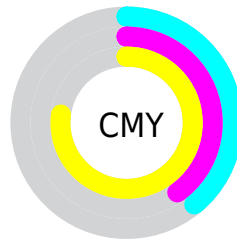
- Red (61%)
- Green (60%)
- Blue (23%)



- Red (24%)
- Yellow (61%)
- Blue (23%)



- Cyan (0%)
- Magenta (1%)
- Yellow (62%)
- Black (39%)




- Cyan (39%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4949, 0.3996, 0.4677 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 30.4949, 0.3996, 0.4677 by changing the saturation by 10% instead.


 30.4949, 0.3996,
0.4677


 30.4949, 0.3996,
0.4677


304.2045, 0.3574,
0.3949


 20.2145, 0.4083,
0.4855


 60.4440, 0.3853,
0.4411


 12.5511, 0.4175,
0.5074


 80.8814, 0.3795,
0.4311

 7.1202, 0.4282,
0.5367


 105.4734, 0.3745,
0.4226

 3.5374, 0.4320,
0.5680

 134.6043, 0.3702,
0.4154

 1.4183, 0.4117,
0.5883

 168.6584, 0.3663,
0.4092

 0.2301, 0.0000,
1.0000

 208.0203, 0.3630,

 0.0000, 0.0000,

0.4038

0.0000

253.0742, 0.3600,
0.3991

■ 30.4949, 0.3996,
0.4677

■ 30.4949, 0.3996,
0.4677

■ 30.2525, 0.4091,
0.4823

■ 30.7888, 0.3880,
0.4495

■ 30.0529, 0.4161,
0.4929

■ 31.1338, 0.3747,
0.4285

■ 29.8922, 0.4205,
0.4993

■ 31.5350, 0.3604,
0.4056

■ 29.7832, 0.4229,
0.5024

■ 31.9954, 0.3454,
0.3817

■ 32.5180, 0.3304,
0.3576

■ 33.1057, 0.3158,
0.3340

■ 33.7610, 0.3018,
0.3114

■ 34.4863, 0.2887,
0.2900

■ 35.2841, 0.2765,
0.2702

Harmonies

Analogous

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



30.4949, 0.4546, 0.4227



30.4949, 0.3996, 0.4677



30.4949, 0.3254, 0.4735

Triad

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



30.4949, 0.3996, 0.4677



30.4949, 0.1761, 0.2608



30.4949, 0.3647, 0.2573

Complementary

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



30.4949, 0.3996, 0.4677



6.6681, 0.1958, 0.1378

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.



30.4949, 0.2830, 0.2222



30.4949, 0.3996, 0.4677



30.4949, 0.1835, 0.2196

Square

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



30.4949, 0.3996, 0.4677



30.4949, 0.1987, 0.3339



30.4949, 0.2195, 0.2083



30.4949, 0.4380, 0.3074

Rectangle

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



30.4949, 0.3996, 0.4677



30.4949, 0.2749, 0.4440



30.4949, 0.2195, 0.2083



30.4949, 0.3368, 0.2435

Sweetspot

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



30.4963, 0.3996, 0.4677



58.3719, 0.3412, 0.3750



10.5473, 0.4973, 0.3248



12.7911, 0.3452, 0.3814



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



30.4963, 0.3996, 0.4677



54.7867, 0.4124, 0.4874



27.4530, 0.3486, 0.4984



7.6970, 0.3261, 0.3507



24.5411, 0.4228, 0.5025



0.4454, 0.4213, 0.5037

Inverse Universe

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



6.6681, 0.1958, 0.1378



7.7144, 0.1716, 0.0974



8.4890, 0.2456, 0.1567



6.4559, 0.2987, 0.3064



2.0406, 0.1505, 0.0617



0.0422, 0.1528, 0.0702

Previews

White Background



This preview shows how the Yxy color 30.4949, 0.3996, 0.4677 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4949, 0.3996, 0.4677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

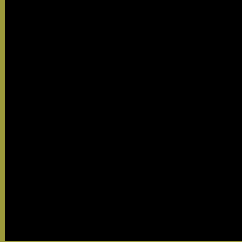
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4949, 0.3996, 0.4677

Background



This preview shows how black text looks on a background with the Yxy color 30.4949, 0.3996, 0.4677.



This preview shows how white text looks on a background with the Yxy color 30.4949, 0.3996, 0.4677.

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

30.4949, 0.3996, 0.4677

Protanopia

30.3337, 0.4161, 0.4572

Deuteranopia

30.4318, 0.4409, 0.4337



Tritanopia

30.3462, 0.3230, 0.3113

Trichromacy



Original Color

30.4949, 0.3996, 0.4677

Protanomaly

30.2252, 0.4107, 0.4609

Deuteranomaly

30.3183, 0.4257, 0.4458

Tritanomaly

30.2417, 0.3547, 0.3707

Monochromacy



Original Color

30.4949, 0.3996, 0.4677

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.6680, 0.3473, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4949, 0.3996, 0.4677 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(156, 154, 59)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 59)  
}
```

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(156, 154, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 59) }
```

Border

The CSS property to change the border of an element to Yxy 30.4949, 0.3996, 0.4677 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(156, 154, 59) }
```

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

```
.border{ border-color:rgb(156, 154, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 59);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4949, 0.3996, 0.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 59) }
```

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

```
.background{ background-color: rgb(156,  
154, 59) }
```

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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