

Converting Colors

$Y_{xy}(29.1893, 0.4178, 0.4967)$

Have a look what the booklet for
Yxy(29.1893, 0.4178, 0.4967)
contains.

Yxy(29.3770, 0.4177, 0.4972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3770, 0.4177, 0.4972)

Conversions

Conversions Part 1

Format	Color
Hex	9A9814
RGB	154, 152, 20
RGB Percent	60%, 60%, 8%
CMY	0.3961, 0.4039, 0.9218
CMYK	0.00, 0.01, 0.87, 0.40
HSL	59°, 77%, 34%
HSV	59°, 87%, 60%
XYZ	24.6798, 29.3770, 5.0281
YIQ	137.5500, 43.5640, -40.6280

Conversions

Conversions Part 2

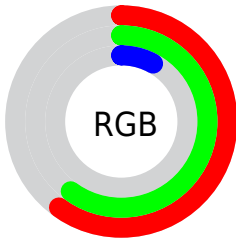
Format	Color
R_{YB}	22, 154, 20
Decimal	10131476
CIE _{Lab}	61.11, -13.40, 61.20
CIE _{LCh}	61, 62.649, 102.348
Yxy	29.3770, 0.4177, 0.4972
Android (android.graphics.Color)	4288321556 (0xFF9A9814)
YUV	137.5500, -57.9521, 14.4267
Hunter-Lab	54.2006, -13.5725, 32.4401

Details

The Yxy color **29.3770, 0.4177, 0.4972** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0520, 0.1590, 0.0758**, and the grayscale version is **25.4455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7188, 0.4033, 0.4673**, and **11.9600, 0.4161, 0.5078** is the 20% darker color. If you saturate the color by 10%, you get **29.2640, 0.4210, 0.5020**, and if you desaturate by 10%, it is **29.5257, 0.4121, 0.4886**.

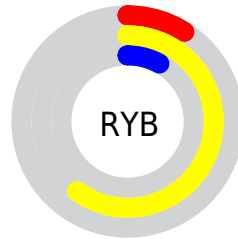
Distribution



Red (60%)

Green (60%)

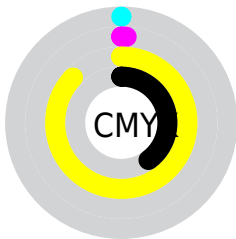
Blue (8%)



Red (9%)

Yellow (60%)

Blue (8%)

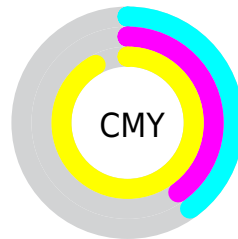


Cyan (0%)

Magenta (1%)

Yellow (87%)

Black (40%)



Cyan (40%)


Magenta (40%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3770, 0.4177, 0.4972 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 29.3770, 0.4177, 0.4972 by changing the saturation by 10% instead.


 29.3770, 0.4177,
0.4972


 29.3770, 0.4177,
0.4972


298.9896, 0.3697,
0.4115

 19.3662, 0.4253,
0.5159


 58.6755, 0.4028,
0.4672


 11.9352, 0.4320,
0.5375


 78.7321, 0.3963,
0.4555

 6.6996, 0.4365,
0.5635


 102.9059, 0.3905,
0.4454

 3.2749, 0.4223,
0.5777

 131.5816, 0.3853,
0.4367

 1.2769, 0.3975,
0.6025

 165.1434, 0.3807,
0.4291

 0.1232, 0.0000,
1.0000

 203.9757, 0.3766,

 0.0000, 0.0000,

0.4225

0.0000

248.4630, 0.3730,
0.4166

29.3770, 0.4177,
0.4972

29.3770, 0.4177,
0.4972

29.2640, 0.4210,
0.5020

29.5257, 0.4121,
0.4886

29.2322, 0.4219,
0.5032

29.7134, 0.4039,
0.4759

29.9461, 0.3934,
0.4593

30.2280, 0.3811,
0.4395

30.5625, 0.3673,
0.4173

■ 30.9528, 0.3526,
0.3937

■ 31.4021, 0.3377,
0.3695

■ 31.9130, 0.3229,
0.3455

■ 32.4882, 0.3086,
0.3222

Harmonies

Analogous

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



29.3770, 0.4872, 0.4338



29.3770, 0.4177, 0.4972



29.3770, 0.3270, 0.5171

Triad

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



29.3770, 0.4177, 0.4972



29.3770, 0.1480, 0.2442



29.3770, 0.3727, 0.2389

Complementary

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



29.3770, 0.4177, 0.4972



3.0520, 0.1590, 0.0758

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.



29.3770, 0.2705, 0.1988



29.3770, 0.4177, 0.4972



29.3770, 0.1559, 0.1957

Square

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



29.3770, 0.4177, 0.4972



29.3770, 0.1739, 0.3369



29.3770, 0.1960, 0.1831



29.3770, 0.4683, 0.2968

Rectangle

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



29.3770, 0.4177, 0.4972



29.3770, 0.2656, 0.4834



29.3770, 0.1960, 0.1831



29.3770, 0.3371, 0.2232

Sweetspot

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



29.3784, 0.4177, 0.4972



56.2733, 0.3518, 0.3924



7.4262, 0.6064, 0.3282



12.6826, 0.3566, 0.4001



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.



29.3784, 0.4177, 0.4972



53.0798, 0.4219, 0.5032



25.2935, 0.3453, 0.5520



7.2072, 0.3261, 0.3507



23.8230, 0.4219, 0.5032



0.3604, 0.4206, 0.5042

Inverse Universe

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



3.0520, 0.1590, 0.0758



4.3031, 0.1502, 0.0608



4.7498, 0.2154, 0.1043



6.0403, 0.2988, 0.3064



1.9460, 0.1504, 0.0613



0.0325, 0.1522, 0.0677

Previews

White Background



This preview shows how the Yxy color 29.3770, 0.4177, 0.4972 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 29.3770, 0.4177, 0.4972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

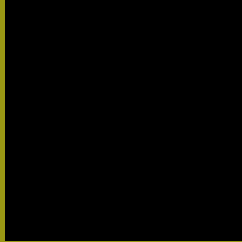
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3770, 0.4177, 0.4972

Background



This preview shows how black text looks on a background with the Yxy color 29.3770, 0.4177, 0.4972.



This preview shows how white text looks on a background with the Yxy color 29.3770, 0.4177, 0.4972.

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

29.3770, 0.4177, 0.4972

Protanopia

29.3338, 0.4358, 0.4836

Deuteranopia

29.2840, 0.4637, 0.4549



Tritanopia

29.2093, 0.3264, 0.3126

Trichromacy



Original Color

29.3770, 0.4177, 0.4972

Protanomaly

29.2233, 0.4302, 0.4880

Deuteranomaly

29.0198, 0.4472, 0.4699

Tritanomaly

28.7239, 0.3712, 0.3932

Monochromacy



Original Color

29.3770, 0.4177, 0.4972

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4004, 0.3627, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3770, 0.4177, 0.4972 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(154, 152, 20)` looks like.

```
.text, #text, p{  
    color:rgb(154, 152, 20)  
}
```

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(154, 152, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 152, 20) }
```

Border

The CSS property to change the border of an element to Yxy 29.3770, 0.4177, 0.4972 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".

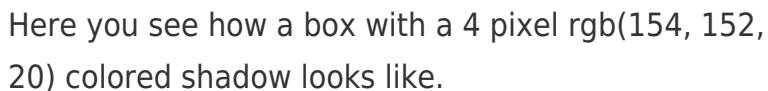
```
.border, #border, table{ border:4px solid rgb(154, 152, 20) }
```

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

```
.border{ border-color:rgb(154, 152, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 152, 20)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 152, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 152, 20);  
box-shadow:4px 4px 4px 4px rgb(154, 152,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3770, 0.4177, 0.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 152, 20) }
```

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

```
.background{ background-color: rgb(154,  
152, 20) }
```

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