

Converting Colors

$Y_{xy}(29.3851, 0.3774, 0.5328)$

Have a look what the booklet for
Yxy(29.3851, 0.3774, 0.5328)
contains.

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Color

Yxy(29.3816, 0.3774, 0.5328)

Conversions

Conversions Part 1

Format	Color
Hex	7BA00D
RGB	123, 160, 13
RGB Percent	48%, 63%, 5%
CMY	0.5176, 0.3725, 0.9493
CMYK	0.23, 0.00, 0.92, 0.37
HSL	75°, 85%, 34%
HSV	75°, 92%, 63%
XYZ	20.8120, 29.3816, 4.9521
YIQ	132.1790, 25.1350, -53.5610

Conversions

Conversions Part 2

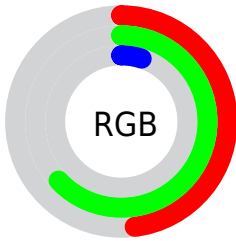
Format	Color
RYB	13, 160, 50
Decimal	8101901
CIELab	61.12, -31.03, 61.57
CIElCh	61, 68.949, 116.750
Yxy	29.3816, 0.3774, 0.5328
Android (android.graphics.Color)	4286291981 (0xFF7BA00D)
YUV	132.1790, -58.7552, -8.0500
Hunter-Lab	54.2048, -26.3232, 32.5267

Details

The Yxy color **29.3816, 0.3774, 0.5328** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.5002, 0.1740, 0.0781**, and the grayscale version is **23.3499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7346, 0.3713, 0.4927**, and **11.9903, 0.3601, 0.5523** is the 20% darker color. If you saturate the color by 10%, you get **29.1183, 0.3759, 0.5397**, and if you desaturate by 10%, it is **29.7454, 0.3777, 0.5213**.

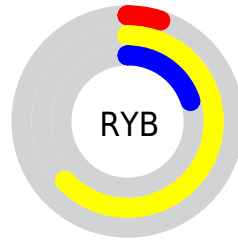
Distribution



Red (48%)

Green (63%)

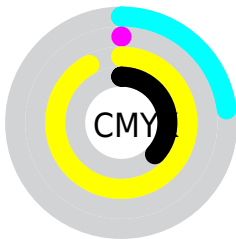
Blue (5%)



Red (5%)

Yellow (63%)

Blue (20%)

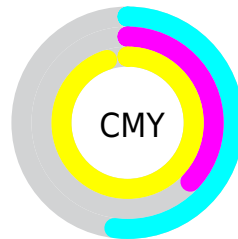


Cyan (23%)

Magenta (0%)

Yellow (92%)

Black (37%)



Cyan (52%)


Magenta (37%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3816, 0.3774, 0.5328 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 29.3816, 0.3774, 0.5328 by changing the saturation by 10% instead.

 29.3816, 0.3774,
0.5328


 29.3816, 0.3774,
0.5328


299.0112, 0.3526,
0.4233


 19.3697, 0.3782,
0.5594


 58.6828, 0.3717,
0.4927

 11.9377, 0.3756,
0.5921


 78.7409, 0.3684,
0.4776


 6.7013, 0.3663,
0.6337


 102.9165, 0.3652,
0.4648

 3.2760, 0.3323,
0.6677

 131.5941, 0.3622,
0.4540

 1.2775, 0.2439,
0.7561

 165.1579, 0.3595,
0.4447

 0.1237, 0.0000,
1.0000

 203.9925, 0.3570,

 0.0000, 0.0000,

0.4366

0.0000

248.4821, 0.3547,
0.4295

29.3816, 0.3774,
0.5328

29.3816, 0.3774,
0.5328

29.1183, 0.3759,
0.5397

29.7454, 0.3777,
0.5213

30.1613, 0.3755,
0.5053

30.6363, 0.3709,
0.4852

31.1755, 0.3642,
0.4620

31.7829, 0.3558,
0.4367

■ 32.4626, 0.3462,
0.4103

■ 33.2180, 0.3358,
0.3838

■ 34.0524, 0.3253,
0.3581

■ 34.9689, 0.3147,
0.3335

Harmonies

Analogous

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



29.3816, 0.4673, 0.4747



29.3816, 0.3774, 0.5328



29.3816, 0.2772, 0.5166

Triad

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



29.3816, 0.3774, 0.5328



29.3816, 0.1359, 0.2053



29.3816, 0.4332, 0.2591

Complementary

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



29.3816, 0.3774, 0.5328



3.5002, 0.1740, 0.0781

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.



29.3816, 0.3172, 0.2065



29.3816, 0.3774, 0.5328



29.3816, 0.1603, 0.1747

Square

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



29.3816, 0.3774, 0.5328



29.3816, 0.1445, 0.2811



29.3816, 0.2198, 0.1769



29.3816, 0.5150, 0.3254

Rectangle

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



29.3816, 0.3774, 0.5328



29.3816, 0.2169, 0.4488



29.3816, 0.2198, 0.1769



29.3816, 0.3952, 0.2395

Sweetspot

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



29.3829, 0.3774, 0.5328



59.3885, 0.3427, 0.4013



9.7578, 0.5838, 0.3629



12.9070, 0.3468, 0.4121



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.3829, 0.3774, 0.5328



52.7680, 0.3751, 0.5404



25.8419, 0.3139, 0.5818



7.6363, 0.3224, 0.3514



22.7032, 0.3764, 0.5394



0.4244, 0.3946, 0.5248

Inverse Universe

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



3.5002, 0.1740, 0.0781



5.3545, 0.1640, 0.0677



7.0522, 0.2643, 0.1269



6.5119, 0.3025, 0.3062



2.3508, 0.1663, 0.0690



0.0602, 0.2055, 0.0906

Previews

White Background



This preview shows how the Yxy color 29.3816, 0.3774, 0.5328 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 29.3816, 0.3774, 0.5328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

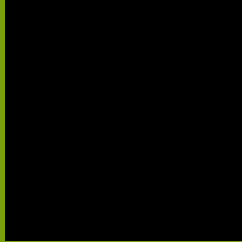
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3816, 0.3774, 0.5328

Background



This preview shows how black text looks on a background with the Yxy color 29.3816, 0.3774, 0.5328.



This preview shows how white text looks on a background with the Yxy color 29.3816, 0.3774, 0.5328.

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

29.3816, 0.3774, 0.5328

Protanopia

28.9832, 0.4401, 0.4872

Deuteranopia

29.1694, 0.4618, 0.4546



Tritanopia

29.3865, 0.2900, 0.3099

Trichromacy



Original Color

29.3816, 0.3774, 0.5328

Protanomaly

28.9558, 0.4159, 0.5050

Deuteranomaly

28.6148, 0.4310, 0.4837

Tritanomaly

28.7495, 0.3341, 0.4076

Monochromacy



Original Color

29.3816, 0.3774, 0.5328

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.7344, 0.3515, 0.4235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3816, 0.3774, 0.5328 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(123, 160, 13)` looks like.

```
.text, #text, p{  
    color:rgb(123, 160, 13)  
}
```

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(123, 160, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 160, 13) }
```

Border

The CSS property to change the border of an element to Yxy 29.3816, 0.3774, 0.5328 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(123, 160, 13) }
```

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

```
.border{ border-color:rgb(123, 160, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 160, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 160, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 160, 13);  
box-shadow:4px 4px 4px 4px rgb(123, 160,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3816, 0.3774, 0.5328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 160, 13) }
```

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

```
.background{ background-color: rgb(123,  
160, 13) }
```

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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