

Converting Colors

$Y_{xy}(28.3689, 0.3822, 0.5150)$

Have a look what the booklet for
Yxy(28.3689, 0.3822, 0.5150)
contains.

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Color

Yxy(28.5430, 0.3823, 0.5150)

Conversions

Conversions Part 1

Format	Color
Hex	819C1F
RGB	129, 156, 31
RGB Percent	51%, 61%, 12%
CMY	0.4942, 0.3882, 0.8782
CMYK	0.17, 0.00, 0.80, 0.39
HSL	73°, 67%, 37%
HSV	73°, 80%, 61%
XYZ	21.1883, 28.5430, 5.6920
YIQ	133.6770, 24.0330, -44.5990

Conversions

Conversions Part 2

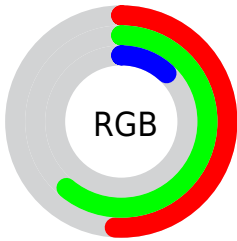
Format	Color
R_{YB}	31, 156, 58
Decimal	8494111
CIE _{Lab}	60.38, -26.04, 56.90
CIE _{LCh}	60, 62.574, 114.587
Yxy	28.5430, 0.3823, 0.5150
Android (android.graphics.Color)	4286684191 (0xFF819C1F)
YUV	133.6770, -50.6198, -4.1017
Hunter-Lab	53.4256, -22.7027, 31.0812

Details

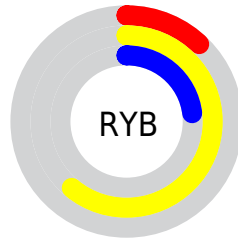
The Yxy color **28.5430, 0.3823, 0.5150** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.2846, 0.1857, 0.0966**, and the grayscale version is **23.8999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5909, 0.3740, 0.4784**, and **11.5990, 0.3721, 0.5427** is the 20% darker color. If you saturate the color by 10%, you get **28.2211, 0.3831, 0.5267**, and if you desaturate by 10%, it is **28.9160, 0.3790, 0.4989**.

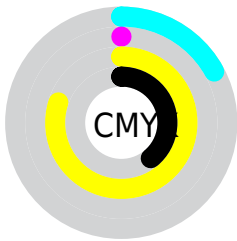
Distribution



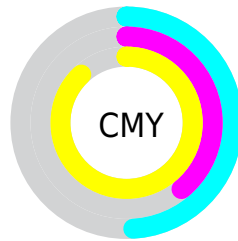
- Red (51%)
- Green (61%)
- Blue (12%)



- Red (12%)
- Yellow (61%)
- Blue (23%)



- Cyan (17%)
- Magenta (0%)
- Yellow (80%)
- Black (39%)




- Cyan (49%)
- Magenta (39%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5430, 0.3823, 0.5150 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 28.5430, 0.3823, 0.5150 by changing the saturation by 10% instead.

 28.5430, 0.3823,
0.5150


 28.5430, 0.3823,
0.5150


 295.0526, 0.3527,
0.4147


 18.7354, 0.3854,
0.5399


 57.3502, 0.3741,
0.4779


 11.4792, 0.3857,
0.5701


 77.1186, 0.3701,
0.4641


 6.3901, 0.3848,
0.6152


 100.9760, 0.3665,
0.4524

 3.0837, 0.3554,
0.6446

 129.3069, 0.3631,
0.4425

 1.1756, 0.2796,
0.7204

 162.4956, 0.3601,
0.4340

 0.0416, 0.0000,
1.0000

 200.9265, 0.3574,

 0.0000, 0.0000,

0.4267

0.0000

244.9840, 0.3550,
0.4203

■ 28.5430, 0.3823,
0.5150

■ 28.5430, 0.3823,
0.5150

■ 28.2211, 0.3831,
0.5267

■ 28.9160, 0.3790,
0.4989

■ 27.9366, 0.3820,
0.5349

■ 29.3415, 0.3734,
0.4789

■ 29.8250, 0.3657,
0.4559

■ 30.3706, 0.3564,
0.4308

■ 30.9817, 0.3460,
0.4048

■ 31.6616, 0.3350,
0.3788

■ 32.4132, 0.3239,
0.3534

■ 33.2394, 0.3128,
0.3292

■ 34.1428, 0.3022,
0.3066

Harmonies

Analogous

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



28.5430, 0.4637, 0.4626



28.5430, 0.3823, 0.5150



28.5430, 0.2886, 0.5030

Triad

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



28.5430, 0.3823, 0.5150



28.5430, 0.1463, 0.2185



28.5430, 0.4162, 0.2604

Complementary

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



28.5430, 0.3823, 0.5150



4.2846, 0.1857, 0.0966

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.



28.5430, 0.3100, 0.2117



28.5430, 0.3823, 0.5150



28.5430, 0.1673, 0.1859

Square

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



28.5430, 0.3823, 0.5150



28.5430, 0.1578, 0.2934



28.5430, 0.2215, 0.1854



28.5430, 0.4953, 0.3230

Rectangle

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



28.5430, 0.3823, 0.5150



28.5430, 0.2308, 0.4456



28.5430, 0.2215, 0.1854



28.5430, 0.3812, 0.2421

Sweetspot

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



28.5443, 0.3823, 0.5150



56.9456, 0.3399, 0.3901



10.0000, 0.5532, 0.3598



12.4415, 0.3435, 0.3988



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.



28.5443, 0.3823, 0.5150



50.8492, 0.3821, 0.5328



25.1263, 0.3230, 0.5575



7.6480, 0.3229, 0.3513



23.0248, 0.3823, 0.5346



0.4283, 0.3981, 0.5221

Inverse Universe

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



4.2846, 0.1857, 0.0966



5.2277, 0.1643, 0.0697



7.2710, 0.2627, 0.1361



6.5010, 0.3019, 0.3061



2.2665, 0.1627, 0.0670



0.0567, 0.1985, 0.0867

Previews

White Background



This preview shows how the Yxy color 28.5430, 0.3823, 0.5150 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 28.5430, 0.3823, 0.5150 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 28.5430, 0.3823, 0.5150

Background



This preview shows how black text looks on a background with the Yxy color 28.5430, 0.3823, 0.5150.



This preview shows how white text looks on a background with the Yxy color 28.5430, 0.3823, 0.5150.

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

28.5430, 0.3823, 0.5150

Protanopia

28.4281, 0.4319, 0.4797

Deuteranopia

28.2752, 0.4566, 0.4489



Tritanopia

28.3478, 0.2973, 0.3099

Trichromacy



Original Color

28.5430, 0.3823, 0.5150

Protanomaly

28.4807, 0.4135, 0.4930

Deuteranomaly

28.1709, 0.4291, 0.4729

Tritanomaly

27.9610, 0.3368, 0.3934

Monochromacy



Original Color

28.5430, 0.3823, 0.5150

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.1146, 0.3471, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5430, 0.3823, 0.5150 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(129, 156, 31)` looks like.

```
.text, #text, p{  
    color:rgb(129, 156, 31)  
}
```

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(129, 156, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 156, 31) }
```

Border

The CSS property to change the border of an element to Yxy 28.5430, 0.3823, 0.5150 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(129, 156, 31) }
```

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

```
.border{ border-color:rgb(129, 156, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 156, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 156, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 156, 31);  
box-shadow:4px 4px 4px 4px rgb(129, 156,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5430, 0.3823, 0.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 156, 31) }
```

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

```
.background{ background-color: rgb(129,  
156, 31) }
```

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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