

Converting Colors

$Y_{xy}(27.7859, 0.3628, 0.4844)$

Have a look what the booklet for
Yxy(27.7859, 0.3628, 0.4844)
contains.

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Color

Yxy(27.8190, 0.3630, 0.4836)

Conversions

Conversions Part 1

Format	Color
Hex	7D9A3E
RGB	125, 154, 62
RGB Percent	49%, 60%, 24%
CMY	0.5098, 0.3961, 0.7569
CMYK	0.19, 0.00, 0.60, 0.40
HSL	79°, 43%, 42%
HSV	79°, 60%, 60%
XYZ	20.8815, 27.8190, 8.8243
YIQ	134.8410, 12.2480, -34.7600

Conversions

Conversions Part 2

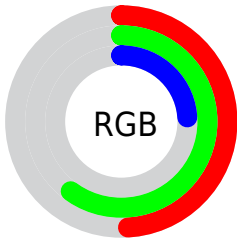
Format	Color
RYB	62, 154, 91
Decimal	8231486
CIELab	59.72, -24.70, 44.01
CIELCh	60, 50.466, 119.302
Yxy	27.8190, 0.3630, 0.4836
Android (android.graphics.Color)	4286421566 (0xFF7D9A3E)
YUV	134.8410, -35.9106, -8.6306
Hunter-Lab	52.7437, -21.6325, 27.0011

Details

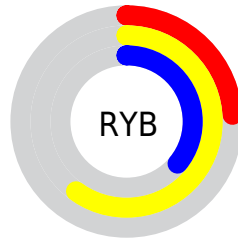
The Yxy color **27.8190, 0.3630, 0.4836** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.0014, 0.2311, 0.1558**, and the grayscale version is **24.2984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0073, 0.3564, 0.4500**, and **11.1301, 0.3690, 0.5382** is the 20% darker color. If you saturate the color by 10%, you get **27.3179, 0.3670, 0.5057**, and if you desaturate by 10%, it is **28.3883, 0.3570, 0.4587**.

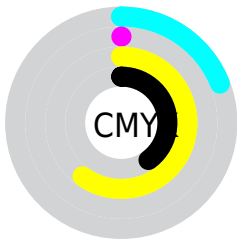
Distribution



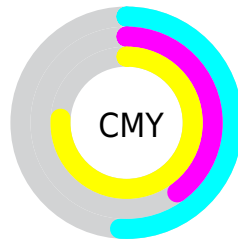
- Red (49%)
- Green (60%)
- Blue (24%)



- Red (24%)
- Yellow (60%)
- Blue (36%)



- Cyan (19%)
- Magenta (0%)
- Yellow (60%)
- Black (40%)





- Cyan (51%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8190, 0.3630, 0.4836 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 27.8190, 0.3630, 0.4836 by changing the saturation by 10% instead.


 27.8190, 0.3630,
0.4836


 27.8190, 0.3630,
0.4836

291.6010, 0.3401,
0.3977


 18.1893, 0.3666,
0.5071


 56.1953, 0.3559,
0.4506


 11.0860, 0.3691,
0.5377


 75.7107, 0.3528,
0.4387


 6.1247, 0.3701,
0.5818

 99.2901, 0.3500,
0.4289

 2.9210, 0.3600,
0.6400

 127.3179, 0.3476,
0.4206

 1.0906, 0.2782,
0.7218

 160.1785, 0.3454,
0.4136

 0.0000, 0.0000,
0.0000

198.2563, 0.3434,

0.4075

241.9357, 0.3417,
0.4023

■ 27.8190, 0.3630,
0.4836

■ 27.8190, 0.3630,
0.4836

■ 27.3179, 0.3670,
0.5057

■ 28.3883, 0.3570,
0.4587

■ 26.8770, 0.3688,
0.5240

■ 29.0261, 0.3494,
0.4322

■ 26.4923, 0.3681,
0.5378

■ 29.7372, 0.3407,
0.4051

■ 26.1519, 0.3655,
0.5478

■ 30.5248, 0.3315,
0.3783

■ 26.1436, 0.3655,
0.5480

■ 31.3921, 0.3219,
0.3526

■ 32.3418, 0.3125,
0.3284

■ 33.3767, 0.3033,
0.3060

■ 34.4994, 0.2946,
0.2854

■ 35.7123, 0.2863,
0.2666

Harmonies

Analogous

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



27.8190, 0.4330, 0.4530



27.8190, 0.3630, 0.4836



27.8190, 0.2839, 0.4582

Triad

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



27.8190, 0.3630, 0.4836



27.8190, 0.1720, 0.2316



27.8190, 0.4101, 0.2803

Complementary

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



27.8190, 0.3630, 0.4836



8.0014, 0.2311, 0.1558

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.



27.8190, 0.3251, 0.2352



27.8190, 0.3630, 0.4836



27.8190, 0.1950, 0.2063

Square

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



27.8190, 0.3630, 0.4836



27.8190, 0.1786, 0.2901



27.8190, 0.2472, 0.2090



27.8190, 0.4678, 0.3368

Rectangle

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



27.8190, 0.3630, 0.4836



27.8190, 0.2366, 0.4081



27.8190, 0.2472, 0.2090



27.8190, 0.3830, 0.2636

Sweetspot

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



27.8202, 0.3630, 0.4836



55.6563, 0.3301, 0.3747



14.4621, 0.4606, 0.3738



12.5043, 0.3327, 0.3819



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.



27.8202, 0.3630, 0.4836



49.3128, 0.3679, 0.5130



25.1833, 0.3183, 0.5084



7.1252, 0.3214, 0.3513



21.3177, 0.3659, 0.5477



0.3378, 0.3907, 0.5280

Inverse Universe

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



8.0014, 0.2311, 0.1558



9.9389, 0.2086, 0.1183



10.9782, 0.2922, 0.1818



6.1161, 0.3035, 0.3063



2.4412, 0.1741, 0.0733



0.0544, 0.2198, 0.0984

Previews

White Background



This preview shows how the Yxy color 27.8190, 0.3630, 0.4836 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 27.8190, 0.3630, 0.4836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

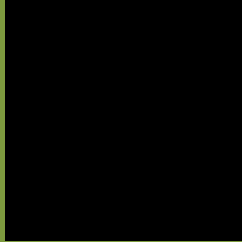
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8190, 0.3630, 0.4836

Background



This preview shows how black text looks on a background with the Yxy color 27.8190, 0.3630, 0.4836.



This preview shows how white text looks on a background with the Yxy color 27.8190, 0.3630, 0.4836.

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

27.8190, 0.3630, 0.4836

Protanopia

27.7359, 0.4130, 0.4535

Deuteranopia

27.6437, 0.4328, 0.4259



Tritanopia

27.5811, 0.2932, 0.3095

Trichromacy



Original Color

27.8190, 0.3630, 0.4836

Protanomaly

27.7091, 0.3937, 0.4654

Deuteranomaly

27.2957, 0.4069, 0.4465

Tritanomaly

27.4905, 0.3210, 0.3736

Monochromacy



Original Color

27.8190, 0.3630, 0.4836

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.2540, 0.3349, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8190, 0.3630, 0.4836 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(125, 154, 62)` looks like.

```
.text, #text, p{  
    color:rgb(125, 154, 62)  
}
```

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(125, 154, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 154, 62) }
```

Border

The CSS property to change the border of an element to Yxy 27.8190, 0.3630, 0.4836 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(125, 154, 62) }
```

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

```
.border{ border-color:rgb(125, 154, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 154, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 154, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 154, 62);  
box-shadow:4px 4px 4px 4px rgb(125, 154,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8190, 0.3630, 0.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 154, 62) }
```

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

```
.background{ background-color: rgb(125,  
154, 62) }
```

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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