

Converting Colors

$Y_{xy}(28.2891, 0.3576, 0.4854)$

Have a look what the booklet for
Yxy(28.2891, 0.3576, 0.4854)
contains.

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Color

Yxy(28.2847, 0.3572, 0.4849)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 7A9C40 |
| RGB | 122, 156, 64 |
| RGB Percent | 48%, 61%, 25% |
| CMY | 0.5217, 0.3882, 0.7490 |
| CMYK | 0.22, 0.00, 0.59, 0.39 |
| HSL | 82°, 42%, 43% |
| HSV | 82°, 59%, 61% |
| XYZ | 20.8358, 28.2847, 9.2105 |
| YIQ | 135.3460, 9.2680, -35.8200 |

Conversions

Conversions Part 2

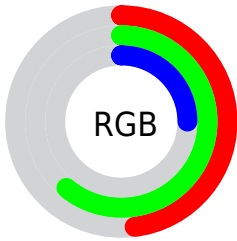
| Format | Color |
|-------------------------------------|--|
| RYB | 64, 156, 98 |
| Decimal | 8035392 |
| CIELab | 60.15, -26.73, 43.49 |
| CIELCh | 60, 51.047, 121.576 |
| Yxy | 28.2847, 0.3572, 0.4849 |
| Android (android.graphics.Color) | 4286225472 (0xFF7A9C40) |
| YUV | 135.3460, -35.1736, -11.7044 |
| Hunter-Lab | 53.1834, -23.1393, 26.9603 |

Details

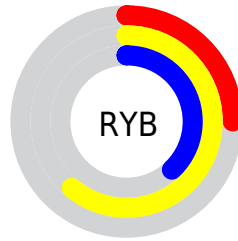
The Yxy color **28.2847, 0.3572, 0.4849** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.6658, 0.2385, 0.1605**, and the grayscale version is **24.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0564, 0.3508, 0.4519**, and **11.4272, 0.3609, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **27.7237, 0.3605, 0.5083**, and if you desaturate by 10%, it is **28.9229, 0.3520, 0.4589**.

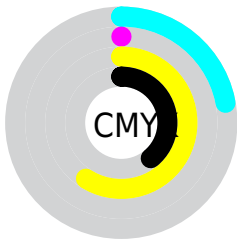
Distribution



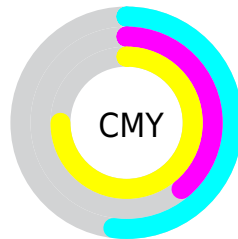
- Red (48%)
- Green (61%)
- Blue (25%)



- Red (25%)
- Yellow (61%)
- Blue (38%)



- Cyan (22%)
- Magenta (0%)
- Yellow (59%)
- Black (39%)



- Cyan (52%)
- Magenta (39%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2847, 0.3572, 0.4849 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 28.2847, 0.3572, 0.4849 by changing the saturation by 10% instead.

 28.2847, 0.3572,
0.4849


 28.2847, 0.3572,
0.4849


293.8248, 0.3375,
0.3980

 18.5404, 0.3600,
0.5088


 56.9387, 0.3513,
0.4514


 11.3386, 0.3615,
0.5403


 76.6171, 0.3486,
0.4394


 6.2951, 0.3604,
0.5846


 100.3757, 0.3462,
0.4295

 3.0253, 0.3508,
0.6492

 128.5988, 0.3441,
0.4211

 1.1450, 0.2660,
0.7340

 161.6709, 0.3422,
0.4140

 0.0161, 0.0000,
1.0000

199.9763, 0.3404,

 0.0000, 0.0000,

0.4079

0.0000

243.8995, 0.3389,
0.4027

■ 28.2847, 0.3572,
0.4849

■ 28.2847, 0.3572,
0.4849

■ 27.7237, 0.3605,
0.5083

■ 28.9229, 0.3520,
0.4589

■ 27.2315, 0.3615,
0.5280

■ 29.6388, 0.3452,
0.4314

■ 26.8038, 0.3602,
0.5431

■ 30.4375, 0.3375,
0.4037

■ 26.4299, 0.3570,
0.5540

■ 31.3223, 0.3291,
0.3766

■ 26.3935, 0.3566,
0.5550

■ 32.2968, 0.3204,
0.3508

■ 33.3638, 0.3118,
0.3266

■ 34.5264, 0.3035,
0.3044

■ 35.7874, 0.2955,
0.2840

■ 37.1494, 0.2880,
0.2656

Harmonies

Analogous

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



28.2847, 0.4290, 0.4572



28.2847, 0.3572, 0.4849



28.2847, 0.2778, 0.4544

Triad

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



28.2847, 0.3572, 0.4849



28.2847, 0.1721, 0.2280



28.2847, 0.4165, 0.2840

Complementary

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



28.2847, 0.3572, 0.4849



8.6658, 0.2385, 0.1605

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.



28.2847, 0.3318, 0.2376



28.2847, 0.3572, 0.4849



28.2847, 0.1973, 0.2050

Square

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



28.2847, 0.3572, 0.4849



28.2847, 0.1763, 0.2842



28.2847, 0.2520, 0.2096



28.2847, 0.4711, 0.3412

Rectangle

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



28.2847, 0.3572, 0.4849



28.2847, 0.2313, 0.4018



28.2847, 0.2520, 0.2096



28.2847, 0.3898, 0.2670

Sweetspot

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



28.2860, 0.3572, 0.4849



56.9865, 0.3285, 0.3750



16.1248, 0.4512, 0.3833



12.4391, 0.3309, 0.3822



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.



28.2860, 0.3572, 0.4849



50.0257, 0.3611, 0.5156



25.6984, 0.3133, 0.5090



7.5976, 0.3207, 0.3515



21.7566, 0.3571, 0.5547



0.4124, 0.3830, 0.5341

Inverse Universe

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



8.6658, 0.2385, 0.1605



10.9985, 0.2176, 0.1243



11.9730, 0.3014, 0.1870



6.5488, 0.3042, 0.3063



2.7297, 0.1817, 0.0775



0.0719, 0.2275, 0.1027

Previews

White Background



This preview shows how the Yxy color 28.2847, 0.3572, 0.4849 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 28.2847, 0.3572, 0.4849 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 28.2847, 0.3572, 0.4849

Background



This preview shows how black text looks on a background with the Yxy color 28.2847, 0.3572, 0.4849.



This preview shows how white text looks on a background with the Yxy color 28.2847, 0.3572, 0.4849.

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

28.2847, 0.3572, 0.4849

Protanopia

28.1648, 0.4118, 0.4519

Deuteranopia

28.0716, 0.4313, 0.4244



Tritanopia

28.0947, 0.2896, 0.3095

Trichromacy



Original Color

28.2847, 0.3572, 0.4849

Protanomaly

28.0457, 0.3914, 0.4642

Deuteranomaly

27.9251, 0.4036, 0.4466

Tritanomaly

28.0138, 0.3167, 0.3736

Monochromacy



Original Color

28.2847, 0.3572, 0.4849

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4949, 0.3325, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2847, 0.3572, 0.4849 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(122, 156, 64)` looks like.

```
.text, #text, p{  
    color:rgb(122, 156, 64)  
}
```

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(122, 156, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 156, 64) }
```

Border

The CSS property to change the border of an element to Yxy 28.2847, 0.3572, 0.4849 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(122, 156, 64) }
```

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

```
.border{ border-color:rgb(122, 156, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 156, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 156, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 156, 64);  
box-shadow:4px 4px 4px 4px rgb(122, 156,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2847, 0.3572, 0.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 156, 64) }
```

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

```
.background{ background-color: rgb(122,  
156, 64) }
```

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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