

Converting Colors

$Y_{xy}(28.7118, 0.3703, 0.4694)$

Have a look what the booklet for
Yxy(28.7118, 0.3703, 0.4694)
contains.

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Color

$\text{Yxy}(28.6795, 0.3698, 0.4695)$

Conversions

Conversions Part 1

Format	Color
Hex	879A44
RGB	135, 154, 68
RGB Percent	53%, 60%, 27%
CMY	0.4706, 0.3961, 0.7333
CMYK	0.12, 0.00, 0.56, 0.40
HSL	73°, 39%, 44%
HSV	73°, 56%, 60%
XYZ	22.5893, 28.6795, 9.8164
YIQ	138.5150, 16.2820, -30.7740

Conversions

Conversions Part 2

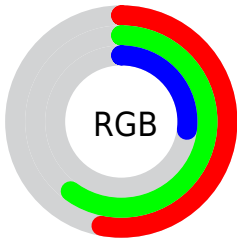
Format	Color
RYB	68, 154, 87
Decimal	8886852
CIELab	60.50, -20.02, 42.21
CIELCh	60, 46.720, 115.373
Yxy	28.6795, 0.3698, 0.4695
Android (android.graphics.Color)	4287076932 (0xFF879A44)
YUV	138.5150, -34.7639, -3.0827
Hunter-Lab	53.5532, -18.4251, 26.6193

Details

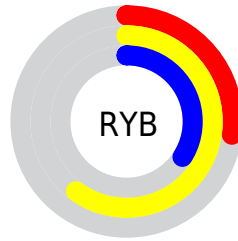
The Yxy color **28.6795, 0.3698, 0.4695** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.4979, 0.2279, 0.1637**, and the grayscale version is **25.7542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3908, 0.3609, 0.4396**, and **11.5769, 0.3806, 0.5177** is the 20% darker color. If you saturate the color by 10%, you get **28.2387, 0.3763, 0.4910**, and if you desaturate by 10%, it is **29.1813, 0.3615, 0.4454**.

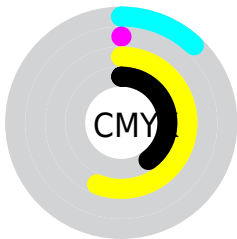
Distribution



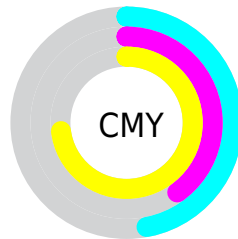
- Red (53%)
- Green (60%)
- Blue (27%)



- Red (27%)
- Yellow (60%)
- Blue (34%)



- Cyan (12%)
- Magenta (0%)
- Yellow (56%)
- Black (40%)




- Cyan (47%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6795, 0.3698, 0.4695 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 28.6795, 0.3698, 0.4695 by changing the saturation by 10% instead.


 28.6795, 0.3698,
0.4695


 28.6795, 0.3698,
0.4695


295.6997, 0.3426,
0.3923

 18.8385, 0.3750,
0.4903


 57.5675, 0.3608,
0.4401


 11.5536, 0.3802,
0.5174


 77.3833, 0.3570,
0.4294

 6.4405, 0.3839,
0.5538


 101.2927, 0.3538,
0.4206

 3.1148, 0.3872,
0.6128

 129.6803, 0.3510,
0.4131

 1.1919, 0.3407,
0.6593

 162.9305, 0.3485,
0.4068

 0.0551, 0.0000,
1.0000

201.4275, 0.3463,

 0.0000, 0.0000,

0.4013

0.0000

245.5558, 0.3443,
0.3965

■ 28.6795, 0.3698,
0.4695

■ 28.6795, 0.3698,
0.4695

■ 28.2387, 0.3763,
0.4910

■ 29.1813, 0.3615,
0.4454

■ 27.8510, 0.3805,
0.5090

■ 29.7440, 0.3517,
0.4198

■ 27.5131, 0.3823,
0.5227

■ 30.3719, 0.3411,
0.3937

■ 27.2185, 0.3817,
0.5321

■ 31.0683, 0.3301,
0.3678

■ 27.1022, 0.3812,
0.5355

■ 31.8358, 0.3191,
0.3429

■ 32.6772, 0.3083,
0.3194

■ 33.5950, 0.2979,
0.2975

■ 34.5915, 0.2881,
0.2773

■ 35.6690, 0.2790,
0.2590

Harmonies

Analogous

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



28.6795, 0.4317, 0.4389



28.6795, 0.3698, 0.4695



28.6795, 0.2965, 0.4525

Triad

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



28.6795, 0.3698, 0.4695



28.6795, 0.1809, 0.2448



28.6795, 0.3927, 0.2780

Complementary

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



28.6795, 0.3698, 0.4695



8.4979, 0.2279, 0.1637

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.



28.6795, 0.3142, 0.2375



28.6795, 0.3698, 0.4695



28.6795, 0.1989, 0.2167

Square

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



28.6795, 0.3698, 0.4695



28.6795, 0.1913, 0.3036



28.6795, 0.2445, 0.2156



28.6795, 0.4504, 0.3302

Rectangle

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



28.6795, 0.3698, 0.4695



28.6795, 0.2510, 0.4111



28.6795, 0.2445, 0.2156



28.6795, 0.3672, 0.2628

Sweetspot

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



28.6808, 0.3698, 0.4695



56.2337, 0.3318, 0.3717



14.0479, 0.4546, 0.3598



12.6741, 0.3338, 0.3764



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.



28.6808, 0.3698, 0.4695



51.1071, 0.3776, 0.4959



25.8261, 0.3252, 0.4925



7.1540, 0.3228, 0.3512



22.0948, 0.3815, 0.5353



0.3456, 0.3996, 0.5210

Inverse Universe

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



8.4979, 0.2279, 0.1637



10.6959, 0.2055, 0.1261



11.1874, 0.2839, 0.1862



6.0889, 0.3021, 0.3062



2.1925, 0.1633, 0.0673



0.0466, 0.2011, 0.0882

Previews

White Background



This preview shows how the Yxy color 28.6795, 0.3698, 0.4695 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 28.6795, 0.3698, 0.4695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

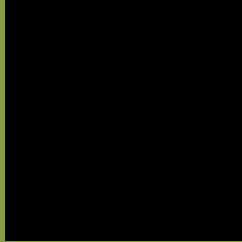
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6795, 0.3698, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 28.6795, 0.3698, 0.4695.



This preview shows how white text looks on a background with the Yxy color 28.6795, 0.3698, 0.4695.

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

28.6795, 0.3698, 0.4695

Protanopia

28.6208, 0.4090, 0.4479

Deuteranopia

28.5168, 0.4288, 0.4217



Tritanopia

28.6708, 0.3022, 0.3117

Trichromacy



Original Color

28.6795, 0.3698, 0.4695

Protanomaly

28.5636, 0.3942, 0.4562

Deuteranomaly

28.1880, 0.4069, 0.4375

Tritanomaly

28.2978, 0.3287, 0.3689

Monochromacy



Original Color

28.6795, 0.3698, 0.4695

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5420, 0.3373, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6795, 0.3698, 0.4695 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(135, 154, 68)` looks like.

```
.text, #text, p{  
    color:rgb(135, 154, 68)  
}
```

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(135, 154, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 154, 68) }
```

Border

The CSS property to change the border of an element to Yxy 28.6795, 0.3698, 0.4695 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(135, 154, 68) }
```

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

```
.border{ border-color:rgb(135, 154, 68) }
```

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

Here you see how a box with a 4 pixel rgb(135, 154, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 154, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 154, 68);  
box-shadow:4px 4px 4px 4px rgb(135, 154,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6795, 0.3698, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 154, 68) }
```

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

```
.background{ background-color: rgb(135,  
154, 68) }
```

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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