

Converting Colors

$Y_{xy}(27.8844, 0.3702, 0.4832)$

Have a look what the booklet for
Yxy(27.8844, 0.3702, 0.4832)
contains.

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Color

Yxy(27.8441, 0.3712, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	82993B
RGB	130, 153, 59
RGB Percent	51%, 60%, 23%
CMY	0.4902, 0.4000, 0.7687
CMYK	0.15, 0.00, 0.61, 0.40
HSL	75°, 44%, 42%
HSV	75°, 61%, 60%
XYZ	21.3857, 27.8441, 8.3826
YIQ	135.4070, 16.4660, -34.1100

Conversions

Conversions Part 2

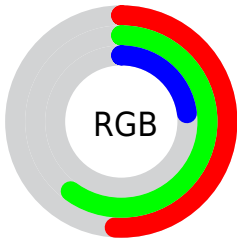
Format	Color
RYB	59, 153, 82
Decimal	8558907
CIELab	59.75, -22.39, 45.52
CIElCh	60, 50.725, 116.190
Yxy	27.8441, 0.3712, 0.4833
Android (android.graphics.Color)	4286748987 (0xFF82993B)
YUV	135.4070, -37.6687, -4.7419
Hunter-Lab	52.7675, -20.0002, 27.5185

Details

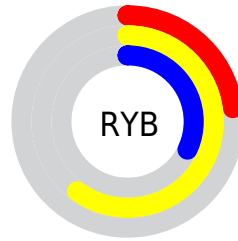
The Yxy color **27.8441, 0.3712, 0.4833** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.2202, 0.2204, 0.1474**, and the grayscale version is **24.5258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0657, 0.3628, 0.4507**, and **11.1246, 0.3801, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **27.4185, 0.3761, 0.5034**, and if you desaturate by 10%, it is **28.3295, 0.3643, 0.4601**.

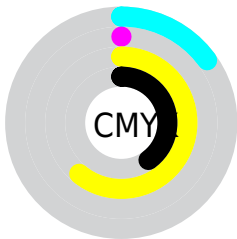
Distribution



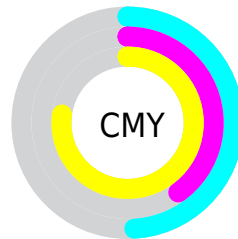
- Red (51%)
- Green (60%)
- Blue (23%)



- Red (23%)
- Yellow (60%)
- Blue (32%)



- Cyan (15%)
- Magenta (0%)
- Yellow (61%)
- Black (40%)





- Cyan (49%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8441, 0.3712, 0.4833 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 27.8441, 0.3712, 0.4833 by changing the saturation by 10% instead.


 27.8441, 0.3712,
0.4833

 27.8441, 0.3712,
0.4833


291.7212, 0.3441,
0.3983


 18.2082, 0.3758,
0.5061


 56.2354, 0.3625,
0.4509

 11.0995, 0.3795,
0.5354


 75.7597, 0.3589,
0.4391


 6.1338, 0.3832,
0.5787

 99.3487, 0.3556,
0.4294

 2.9266, 0.3724,
0.6276

 127.3871, 0.3527,
0.4212

 1.0935, 0.3047,
0.6953

 160.2591, 0.3502,
0.4141

 0.0000, 0.0000,
0.0000

 198.3492, 0.3479,

0.4081

242.0418, 0.3459,
0.4029

■ 27.8441, 0.3712,
0.4833

■ 27.8441, 0.3712,
0.4833

■ 27.4185, 0.3761,
0.5034

■ 28.3295, 0.3643,
0.4601

■ 27.0446, 0.3785,
0.5196

■ 28.8748, 0.3557,
0.4349

■ 26.7186, 0.3786,
0.5312

■ 29.4847, 0.3459,
0.4086

■ 26.4672, 0.3772,
0.5387

■ 30.1623, 0.3355,
0.3824

■ 30.9104, 0.3248,
0.3568

■ 31.7319, 0.3142,
0.3324

■ 32.6294, 0.3039,
0.3096

■ 33.6051, 0.2942,
0.2885

■ 34.6616, 0.2849,
0.2692

Harmonies

Analogous

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



27.8441, 0.4395, 0.4484



27.8441, 0.3712, 0.4833



27.8441, 0.2917, 0.4646

Triad

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



27.8441, 0.3712, 0.4833



27.8441, 0.1707, 0.2356



27.8441, 0.4024, 0.2747

Complementary

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



27.8441, 0.3712, 0.4833



7.2202, 0.2204, 0.1474

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.



27.8441, 0.3162, 0.2311



27.8441, 0.3712, 0.4833



27.8441, 0.1908, 0.2070

Square

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



27.8441, 0.3712, 0.4833



27.8441, 0.1805, 0.2980



27.8441, 0.2401, 0.2070



27.8441, 0.4647, 0.3305

Rectangle

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



27.8441, 0.3712, 0.4833



27.8441, 0.2430, 0.4175



27.8441, 0.2401, 0.2070



27.8441, 0.3744, 0.2584

Sweetspot

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



27.8454, 0.3712, 0.4833



54.4136, 0.3322, 0.3743



12.9619, 0.4740, 0.3644



11.9378, 0.3351, 0.3813



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.8454, 0.3712, 0.4833



48.8199, 0.3774, 0.5104



24.9874, 0.3236, 0.5104



7.1467, 0.3225, 0.3512



21.8889, 0.3776, 0.5384



0.3436, 0.3974, 0.5227

Inverse Universe

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



7.2202, 0.2204, 0.1474



8.6112, 0.1965, 0.1091



10.0106, 0.2822, 0.1743



6.0957, 0.3024, 0.3063



2.2464, 0.1657, 0.0686



0.0486, 0.2060, 0.0908

Previews

White Background



This preview shows how the Yxy color 27.8441, 0.3712, 0.4833 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 27.8441, 0.3712, 0.4833 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 27.8441, 0.3712, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 27.8441, 0.3712, 0.4833.



This preview shows how white text looks on a background with the Yxy color 27.8441, 0.3712, 0.4833.

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

27.8441, 0.3712, 0.4833

Protanopia

27.7056, 0.4152, 0.4568

Deuteranopia

27.7265, 0.4365, 0.4287



Tritanopia

27.6742, 0.2991, 0.3098

Trichromacy



Original Color

27.8441, 0.3712, 0.4833

Protanomaly

27.5524, 0.3990, 0.4665

Deuteranomaly

27.5698, 0.4128, 0.4483

Tritanomaly

27.5419, 0.3285, 0.3747

Monochromacy



Original Color

27.8441, 0.3712, 0.4833

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3941, 0.3382, 0.3904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8441, 0.3712, 0.4833 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(130, 153, 59)` looks like.

```
.text, #text, p{  
    color:rgb(130, 153, 59)  
}
```

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(130, 153, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 153, 59) }
```

Border

The CSS property to change the border of an element to Yxy 27.8441, 0.3712, 0.4833 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(130, 153, 59) }
```

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

```
.border{ border-color:rgb(130, 153, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 153, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 153, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 153, 59);  
box-shadow:4px 4px 4px 4px rgb(130, 153,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8441, 0.3712, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 153, 59) }
```

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

```
.background{ background-color: rgb(130,  
153, 59) }
```

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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