

Converting Colors

$Y_{xy}(27.7542, 0.3797, 0.4214)$

Have a look what the booklet for
Yxy(27.7542, 0.3797, 0.4214)
contains.

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Color

Yxy(27.7112, 0.3800, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	999157
RGB	153, 145, 87
RGB Percent	60%, 57%, 34%
CMY	0.4000, 0.4314, 0.6588
CMYK	0.00, 0.05, 0.43, 0.40
HSL	53°, 27%, 47%
HSV	53°, 43%, 60%
XYZ	24.9828, 27.7112, 13.0502
YIQ	140.7800, 23.3860, -16.3420

Conversions

Conversions Part 2

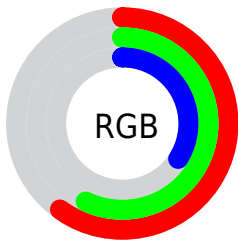
Format	Color
RYB	96, 153, 87
Decimal	10064215
CIELab	59.63, -5.69, 31.78
CIELCh	60, 32.288, 100.154
Yxy	27.7112, 0.3800, 0.4215
Android (android.graphics.Color)	4288254295 (0xFF999157)
YUV	140.7800, -26.5135, 10.7169
Hunter-Lab	52.6414, -7.4091, 22.1505

Details

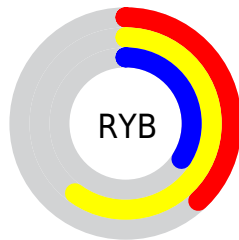
The Yxy color **27.7112, 0.3800, 0.4215** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.5118, 0.2370, 0.2153**, and the grayscale version is **26.6451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0917, 0.3663, 0.4027**, and **11.0469, 0.3987, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **26.9263, 0.3953, 0.4409**, and if you desaturate by 10%, it is **28.5609, 0.3640, 0.4005**.

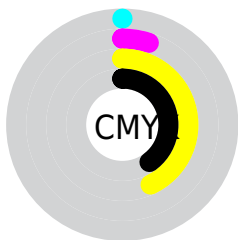
Distribution



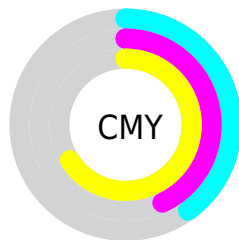
- Red (60%)
- Green (57%)
- Blue (34%)



- Red (38%)
- Yellow (60%)
- Blue (34%)



- Cyan (0%)
- Magenta (5%)
- Yellow (43%)
- Black (40%)





- Cyan (40%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7112, 0.3800, 0.4215 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 27.7112, 0.3800, 0.4215 by changing the saturation by 10% instead.


 27.7112, 0.3800,
0.4215


 27.7112, 0.3800,
0.4215


291.0843, 0.3447,
0.3714


 18.1081, 0.3889,
0.4349


 56.0230, 0.3669,
0.4025


 11.0276, 0.4002,
0.4525


 75.5005, 0.3621,
0.3956


 6.0854, 0.4143,
0.4760

 99.0382, 0.3580,
0.3899

 2.8971, 0.4471,
0.5268

 127.0206, 0.3545,
0.3850

 1.0782, 0.4478,
0.5522

 159.8320, 0.3515,
0.3809

 0.0000, 0.0000,
0.0000

197.8568, 0.3490,

0.3773

241.4795, 0.3467,
0.3742

■ 27.7112, 0.3800,
0.4215

■ 27.7112, 0.3800,
0.4215

■ 26.9263, 0.3953,
0.4409

■ 28.5609, 0.3640,
0.4005

■ 26.1989, 0.4093,
0.4577

■ 29.4748, 0.3480,
0.3787

■ 25.5266, 0.4214,
0.4710

■ 30.4569, 0.3323,
0.3568

■ 24.9049, 0.4311,
0.4803

■ 31.5100, 0.3172,
0.3355

■ 24.3287, 0.4381,
0.4853

■ 32.6365, 0.3031,
0.3151

■ 23.9500, 0.4420,
0.4872

■ 33.8390, 0.2901,
0.2960

■ 35.1197, 0.2781,
0.2782

■ 36.4807, 0.2672,
0.2617

■ 37.9241, 0.2573,
0.2467

Harmonies

Analogous

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



27.7112, 0.4131, 0.3935



27.7112, 0.3800, 0.4215



27.7112, 0.3304, 0.4237

Triad

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



27.7112, 0.3800, 0.4215



27.7112, 0.2176, 0.2900



27.7112, 0.3422, 0.2756

Complementary

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



27.7112, 0.3800, 0.4215



12.5118, 0.2370, 0.2153

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.



27.7112, 0.2879, 0.2515



27.7112, 0.3800, 0.4215



27.7112, 0.2200, 0.2565

Square

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



27.7112, 0.3800, 0.4215



27.7112, 0.2379, 0.3405



27.7112, 0.2444, 0.2441



27.7112, 0.3916, 0.3116

Rectangle

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



27.7112, 0.3800, 0.4215



27.7112, 0.2951, 0.4065



27.7112, 0.2444, 0.2441



27.7112, 0.3237, 0.2659

Sweetspot

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



27.7125, 0.3800, 0.4215



54.5219, 0.3324, 0.3571



14.4310, 0.4063, 0.3144



11.9571, 0.3356, 0.3615



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.



27.7125, 0.3800, 0.4215



48.2359, 0.3951, 0.4407



28.1225, 0.3484, 0.4426



7.0951, 0.3263, 0.3484



19.8265, 0.4418, 0.4874



0.3278, 0.4306, 0.4963

Inverse Universe

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



12.5118, 0.2370, 0.2153



17.3033, 0.2174, 0.1841



12.5104, 0.2625, 0.2086



6.1410, 0.2988, 0.3088



2.3016, 0.1531, 0.0712



0.0620, 0.1659, 0.1170

Previews

White Background



This preview shows how the Yxy color 27.7112, 0.3800, 0.4215 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 27.7112, 0.3800, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

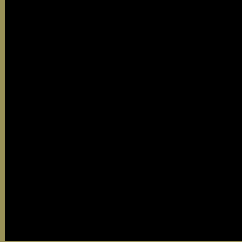
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7112, 0.3800, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 27.7112, 0.3800, 0.4215.



This preview shows how white text looks on a background with the Yxy color 27.7112, 0.3800, 0.4215.

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

27.7112, 0.3800, 0.4215

Protanopia

27.8027, 0.3853, 0.4185

Deuteranopia

27.6113, 0.4081, 0.3995



Tritanopia

27.7887, 0.3266, 0.3137

Trichromacy



Original Color

27.7112, 0.3800, 0.4215

Protanomaly

27.7026, 0.3841, 0.4189

Deuteranomaly

27.5677, 0.3976, 0.4080

Tritanomaly

27.7242, 0.3461, 0.3528

Monochromacy



Original Color

27.7112, 0.3800, 0.4215

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7462, 0.3375, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7112, 0.3800, 0.4215 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(153, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(153, 145, 87)  
}
```

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(153, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 145, 87) }
```

Border

The CSS property to change the border of an element to Yxy 27.7112, 0.3800, 0.4215 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(153, 145, 87) }
```

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

```
.border{ border-color:rgb(153, 145, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 145, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(153, 145,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7112, 0.3800, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 145, 87) }
```

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

```
.background{ background-color: rgb(153,  
145, 87) }
```

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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