

Converting Colors

$Y_{xy}(27.7035, 0.3959, 0.5239)$

Have a look what the booklet for
Yxy(27.7035, 0.3959, 0.5239)
contains.

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Color

Yxy(27.6880, 0.3957, 0.5240)

Conversions

Conversions Part 1

Format	Color
Hex	849900
RGB	132, 153, 0
RGB Percent	52%, 60%, 0%
CMY	0.4823, 0.4000, 0.9999
CMYK	0.14, 0.00, 1.00, 0.40
HSL	68°, 100%, 30%
HSV	68°, 100%, 60%
XYZ	20.9087, 27.6880, 4.2430
YIQ	129.2790, 36.5970, -52.0350

Conversions

Conversions Part 2

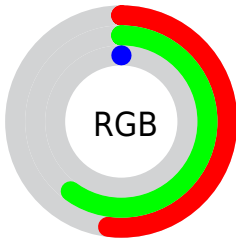
Format	Color
RYB	0, 153, 21
Decimal	8689920
CIELab	59.61, -24.05, 62.55
CIELCh	60, 67.015, 111.035
Yxy	27.6880, 0.3957, 0.5240
Android (android.graphics.Color)	4286880000 (0xFF849900)
YUV	129.2790, -63.7345, 2.3863
Hunter-Lab	52.6194, -21.1558, 32.0527

Details

The Yxy color **27.6880, 0.3957, 0.5240** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4604, 0.1561, 0.0634**, and the grayscale version is **22.2776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9123, 0.3868, 0.4864**, and **11.1224, 0.3805, 0.5361** is the 20% darker color. If you saturate the color by 10%, you get **27.6888, 0.3957, 0.5240**, and if you desaturate by 10%, it is **27.8956, 0.3954, 0.5171**.

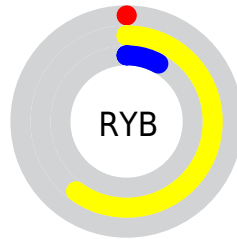
Distribution



Red (52%)

Green (60%)

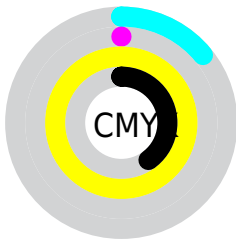
Blue (0%)



Red (0%)

Yellow (60%)

Blue (8%)

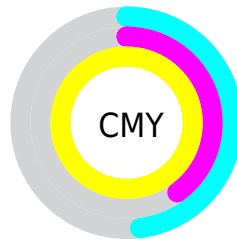


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (48%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6880, 0.3957, 0.5240 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 27.6880, 0.3957, 0.5240 by changing the saturation by 10% instead.


 27.6880, 0.3957,
0.5240


 27.6880, 0.3957,
0.5240


290.9730, 0.3609,
0.4208


 18.0906, 0.3988,
0.5479


 55.9859, 0.3864,
0.4869


 11.0151, 0.4004,
0.5785


 75.4553, 0.3817,
0.4727

 6.0770, 0.3912,
0.6088

 98.9840, 0.3774,
0.4606

 2.8919, 0.3630,
0.6370

 126.9566, 0.3734,
0.4503

 1.0756, 0.2825,
0.7175


 159.7574, 0.3698,
0.4413


 0.0000, 0.0000,
0.0000


 197.7708, 0.3665,

0.4336


 241.3812, 0.3636,
0.4268


 27.6880, 0.3957,
0.5240


 27.6880, 0.3957,
0.5240


 27.6888, 0.3957,
0.5240

 27.8956, 0.3954,
0.5171

 28.1316, 0.3932,
0.5068

 28.4092, 0.3885,
0.4923

 28.7332, 0.3814,
0.4739

 29.1078, 0.3723,
0.4523

■ 29.5367, 0.3616,
0.4285

■ 30.0231, 0.3498,
0.4034

■ 30.5700, 0.3374,
0.3780

■ 31.1803, 0.3250,
0.3530

Harmonies

Analogous

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



27.6880, 0.4805, 0.4599



27.6880, 0.3957, 0.5240



27.6880, 0.2965, 0.5260

Triad

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



27.6880, 0.3957, 0.5240



27.6880, 0.1360, 0.2168



27.6880, 0.4110, 0.2483

Complementary

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



27.6880, 0.3957, 0.5240



2.4604, 0.1561, 0.0634

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.



27.6880, 0.2963, 0.1998



27.6880, 0.3957, 0.5240



27.6880, 0.1541, 0.1787

Square

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



27.6880, 0.3957, 0.5240



27.6880, 0.1515, 0.3020



27.6880, 0.2063, 0.1753



27.6880, 0.5030, 0.3125

Rectangle

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



27.6880, 0.3957, 0.5240



27.6880, 0.2337, 0.4704



27.6880, 0.2063, 0.1753



27.6880, 0.3723, 0.2299

Sweetspot

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



27.6893, 0.3957, 0.5240



53.7109, 0.3505, 0.4050



7.2881, 0.6264, 0.3408



11.7836, 0.3551, 0.4147



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.



27.6893, 0.3957, 0.5240



49.5275, 0.3952, 0.5244



23.6270, 0.3215, 0.5829



7.1799, 0.3240, 0.3511



22.8948, 0.3959, 0.5239



0.3527, 0.4071, 0.5150

Inverse Universe

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



2.4604, 0.1561, 0.0634



4.3559, 0.1551, 0.0628



4.8374, 0.2319, 0.1051



6.0650, 0.3008, 0.3062



2.0417, 0.1565, 0.0636



0.0397, 0.1830, 0.0782

Previews

White Background



This preview shows how the Yxy color 27.6880, 0.3957, 0.5240 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 27.6880, 0.3957, 0.5240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

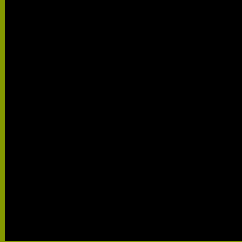
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6880, 0.3957, 0.5240

Background



This preview shows how black text looks on a background with the Yxy color 27.6880, 0.3957, 0.5240.



This preview shows how white text looks on a background with the Yxy color 27.6880, 0.3957, 0.5240.

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

27.6880, 0.3957, 0.5240

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.5067, 0.4646, 0.4557



Tritanopia

27.5752, 0.3041, 0.3114

Trichromacy



Original Color

27.6880, 0.3957, 0.5240

Protanomaly

27.4467, 0.4239, 0.5016

Deuteranomaly

27.1730, 0.4402, 0.4808

Tritanomaly

26.9963, 0.3548, 0.4119

Monochromacy



Original Color

27.6880, 0.3957, 0.5240

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5320, 0.3614, 0.4292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6880, 0.3957, 0.5240 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(132, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 153, 0)  
}
```

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(132, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6880, 0.3957, 0.5240 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(132, 153, 0) }
```

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

```
.border{ border-color:rgb(132, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(132, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6880, 0.3957, 0.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 153, 0) }
```

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

```
.background{ background-color: rgb(132,  
153, 0) }
```

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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