

Converting Colors

$Y_{xy}(27.7583, 0.3967, 0.5232)$

Have a look what the booklet for
Yxy(27.7583, 0.3967, 0.5232)
contains.

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Color

$Yxy(27.7690, 0.3968, 0.5231)$

Conversions

Conversions Part 1

Format	Color
Hex	859900
RGB	133, 153, 0
RGB Percent	52%, 60%, 0%
CMY	0.4784, 0.4000, 0.9996
CMYK	0.13, 0.00, 1.00, 0.40
HSL	68°, 100%, 30%
HSV	68°, 100%, 60%
XYZ	21.0643, 27.7690, 4.2521
YIQ	129.5780, 37.1930, -51.8230

Conversions

Conversions Part 2

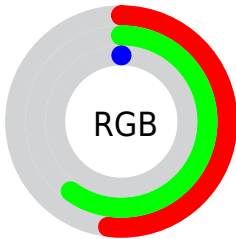
Format	Color
RYB	0, 153, 20
Decimal	8755456
CIELab	59.68, -23.63, 62.63
CIELCh	60, 66.935, 110.668
Yxy	27.7690, 0.3968, 0.5231
Android (android.graphics.Color)	4286945536 (0xFF859900)
YUV	129.5780, -63.8820, 3.0011
Hunter-Lab	52.6963, -20.8667, 32.1032

Details

The Yxy color **27.7690, 0.3968, 0.5231** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4519, 0.1558, 0.0632**, and the grayscale version is **22.3906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0407, 0.3877, 0.4858**, and **11.1650, 0.3821, 0.5348** is the 20% darker color. If you saturate the color by 10%, you get **27.7690, 0.3968, 0.5231**, and if you desaturate by 10%, it is **27.9702, 0.3963, 0.5163**.

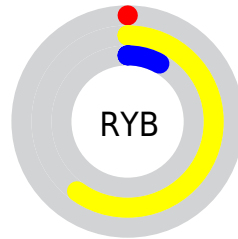
Distribution



Red (52%)

Green (60%)

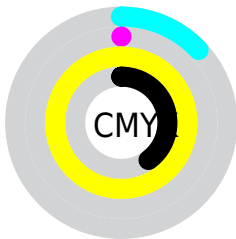
Blue (0%)



Red (0%)

Yellow (60%)

Blue (8%)

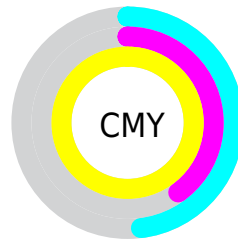


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (48%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7690, 0.3968, 0.5231 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 27.7690, 0.3968, 0.5231 by changing the saturation by 10% instead.


 27.7690, 0.3968,
0.5231


 27.7690, 0.3968,
0.5231


291.3615, 0.3614,
0.4206


 18.1516, 0.4001,
0.5467


 56.1154, 0.3873,
0.4863


 11.0589, 0.4019,
0.5770


 75.6132, 0.3825,
0.4722


 6.1065, 0.3931,
0.6069


 99.1733, 0.3781,
0.4602

 2.9099, 0.3656,
0.6344

 127.1801, 0.3741,
0.4499


 1.0849, 0.2894,
0.7106


 160.0178, 0.3704,
0.4410


 0.0000, 0.0000,
0.0000


 198.0711, 0.3671,


0.4333


 241.7242, 0.3641,
0.4266


 27.7690, 0.3968,
0.5231

 27.9702, 0.3963,
0.5163

 28.1995, 0.3940,
0.5062

 28.4702, 0.3892,
0.4918

 28.7870, 0.3820,
0.4734

 29.1541, 0.3728,
0.4520

■ 29.5752, 0.3619,
0.4282

■ 30.0534, 0.3500,
0.4032

■ 30.5920, 0.3376,
0.3778

■ 31.1935, 0.3250,
0.3529

Harmonies

Analogous

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



27.7690, 0.4811, 0.4588



27.7690, 0.3968, 0.5231



27.7690, 0.2978, 0.5261

Triad

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



27.7690, 0.3968, 0.5231



27.7690, 0.1362, 0.2177



27.7690, 0.4094, 0.2477

Complementary

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



27.7690, 0.3968, 0.5231



2.4519, 0.1558, 0.0632

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.



27.7690, 0.2950, 0.1995



27.7690, 0.3968, 0.5231



27.7690, 0.1539, 0.1792

Square

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



27.7690, 0.3968, 0.5231



27.7690, 0.1522, 0.3035



27.7690, 0.2056, 0.1754



27.7690, 0.5018, 0.3117

Rectangle

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



27.7690, 0.3968, 0.5231



27.7690, 0.2349, 0.4714



27.7690, 0.2056, 0.1754



27.7690, 0.3708, 0.2294

Sweetspot

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



27.7703, 0.3968, 0.5231



53.7601, 0.3509, 0.4049



7.2034, 0.6285, 0.3390



11.7957, 0.3555, 0.4146



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.



27.7703, 0.3968, 0.5231



49.6711, 0.3963, 0.5235



23.7049, 0.3233, 0.5815



7.1819, 0.3241, 0.3511



22.9596, 0.3970, 0.5230



0.3532, 0.4077, 0.5145

Inverse Universe

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



2.4519, 0.1558, 0.0632



4.3388, 0.1547, 0.0626



4.7024, 0.2282, 0.1031



6.0631, 0.3007, 0.3062



2.0328, 0.1561, 0.0634



0.0392, 0.1816, 0.0774

Previews

White Background



This preview shows how the Yxy color 27.7690, 0.3968, 0.5231 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 27.7690, 0.3968, 0.5231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

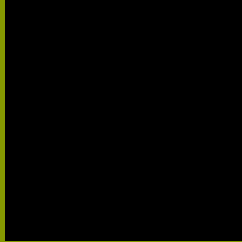
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7690, 0.3968, 0.5231

Background



This preview shows how black text looks on a background with the Yxy color 27.7690, 0.3968, 0.5231.



This preview shows how white text looks on a background with the Yxy color 27.7690, 0.3968, 0.5231.

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

27.7690, 0.3968, 0.5231

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.5067, 0.4646, 0.4557



Tritanopia

27.6657, 0.3051, 0.3115

Trichromacy



Original Color

27.7690, 0.3968, 0.5231

Protanomaly

27.4467, 0.4239, 0.5016

Deuteranomaly

27.2790, 0.4413, 0.4800

Tritanomaly

27.0836, 0.3559, 0.4116

Monochromacy



Original Color

27.7690, 0.3968, 0.5231

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.6268, 0.3617, 0.4270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7690, 0.3968, 0.5231 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(133, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.7690, 0.3968, 0.5231 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(133, 153, 0) }
```

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

```
.border{ border-color:rgb(133, 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(133, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7690, 0.3968, 0.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 153, 0) }
```

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

```
.background{ background-color: rgb(133,  
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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