

Converting Colors

$Y_{xy}(20.7544, 0.3866, 0.5312)$

Have a look what the booklet for
Yxy(20.7544, 0.3866, 0.5312)
contains.

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Color

Yxy(20.9233, 0.3867, 0.5311)

Conversions

Conversions Part 1

Format	Color
Hex	6E8800
RGB	110, 136, 0
RGB Percent	43%, 53%, 0%
CMY	0.5686, 0.4667, 0.9996
CMYK	0.19, 0.00, 1.00, 0.47
HSL	71°, 100%, 27%
HSV	71°, 100%, 53%
XYZ	15.2345, 20.9233, 3.2384
YIQ	112.7220, 28.1600, -47.8080

Conversions

Conversions Part 2

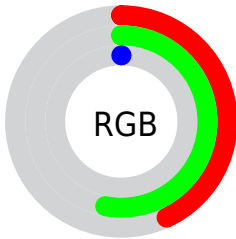
Format	Color
RYB	0, 136, 26
Decimal	7243776
CIELab	52.87, -25.23, 56.77
CIELCh	53, 62.123, 113.964
Yxy	20.9233, 0.3867, 0.5311
Android (android.graphics.Color)	4285433856 (0xFF6E8800)
YUV	112.7220, -55.5719, -2.3872
Hunter-Lab	45.7420, -20.5986, 27.8219

Details

The Yxy color **20.9233, 0.3867, 0.5311** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.0010, 0.1609, 0.0660**, and the grayscale version is **16.5920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7998, 0.3789, 0.4888**, and **7.5551, 0.3671, 0.5467** is the 20% darker color. If you saturate the color by 10%, you get **20.9227, 0.3867, 0.5312**, and if you desaturate by 10%, it is **21.1244, 0.3869, 0.5226**.

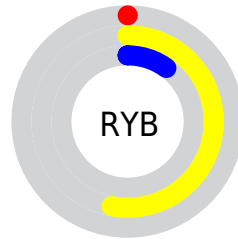
Distribution



Red (43%)

Green (53%)

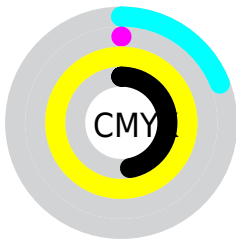
Blue (0%)



Red (0%)

Yellow (53%)

Blue (10%)

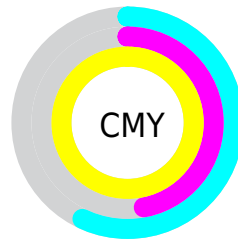


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (57%)


Magenta (47%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9233, 0.3867, 0.5311 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 20.9233, 0.3867, 0.5311 by changing the saturation by 10% instead.


 20.9233, 0.3867,
0.5311


 20.9233, 0.3867,
0.5311


 256.8706, 0.3551,
0.4181


 13.0679, 0.3884,
0.5595


 44.9598, 0.3786,
0.4887

 7.4754, 0.3933,
0.6067


 61.9098, 0.3743,
0.4729


 3.7611, 0.3681,
0.6319

 82.6602, 0.3703,
0.4598

 1.5409, 0.3238,
0.6762

 107.5952, 0.3666,
0.4488

 0.3172, 0.0000,
1.0000


 137.0994, 0.3632,
0.4394


 0.0000, 0.0000,
0.0000


 171.5571, 0.3602,

0.4313

 211.3527, 0.3575,
0.4243

 20.9233, 0.3867,
0.5311


 20.9233, 0.3867,
0.5311


 20.9227, 0.3867,
0.5312

 21.1244, 0.3869,
0.5226

 21.3484, 0.3854,
0.5110

 21.6066, 0.3815,
0.4951

 21.9027, 0.3753,
0.4756

 22.2397, 0.3671,
0.4530

■ 22.6203, 0.3574,
0.4286

■ 23.0471, 0.3467,
0.4031

■ 23.5223, 0.3354,
0.3776

■ 24.0480, 0.3239,
0.3527

Harmonies

Analogous

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



20.9233, 0.4753, 0.4684



20.9233, 0.3867, 0.5311



20.9233, 0.2859, 0.5246

Triad

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



20.9233, 0.3867, 0.5311



20.9233, 0.1341, 0.2093



20.9233, 0.4238, 0.2529

Complementary

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



20.9233, 0.3867, 0.5311



2.0010, 0.1609, 0.0660

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.



20.9233, 0.3066, 0.2018



20.9233, 0.3867, 0.5311



20.9233, 0.1556, 0.1750

Square

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



20.9233, 0.3867, 0.5311



20.9233, 0.1460, 0.2904



20.9233, 0.2119, 0.1745



20.9233, 0.5119, 0.3186

Rectangle

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



20.9233, 0.3867, 0.5311



20.9233, 0.2237, 0.4616



20.9233, 0.2119, 0.1745



20.9233, 0.3849, 0.2337

Sweetspot

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



20.9242, 0.3867, 0.5311



40.5558, 0.3475, 0.4050



5.9309, 0.6168, 0.3483



9.3266, 0.3515, 0.4144



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.9242, 0.3867, 0.5311



36.8063, 0.3860, 0.5317



18.1262, 0.3172, 0.5863



5.7974, 0.3231, 0.3508



19.8053, 0.3868, 0.5311



0.1373, 0.4034, 0.5179

Inverse Universe

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



2.0010, 0.1609, 0.0660



3.4672, 0.1594, 0.0652



4.1055, 0.2442, 0.1119



4.9353, 0.3018, 0.3066



1.8939, 0.1610, 0.0660



0.0175, 0.1956, 0.0851

Previews

White Background



This preview shows how the Yxy color 20.9233, 0.3867, 0.5311 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 20.9233, 0.3867, 0.5311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

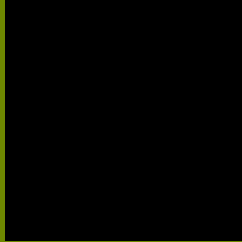
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9233, 0.3867, 0.5311

Background



This preview shows how black text looks on a background with the Yxy color 20.9233, 0.3867, 0.5311.



This preview shows how white text looks on a background with the Yxy color 20.9233, 0.3867, 0.5311.

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

20.9233, 0.3867, 0.5311

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.8698, 0.4622, 0.4554



Tritanopia

20.7642, 0.2962, 0.3108

Trichromacy



Original Color

20.9233, 0.3867, 0.5311

Protanomaly

20.7111, 0.4193, 0.5053

Deuteranomaly

20.6189, 0.4350, 0.4839

Tritanomaly

20.4353, 0.3440, 0.4125

Monochromacy



Original Color

20.9233, 0.3867, 0.5311

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.5874, 0.3580, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9233, 0.3867, 0.5311 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(110, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 136, 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(110, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 136, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9233, 0.3867, 0.5311 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(110, 136, 0) }
```

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

```
.border{ border-color:rgb(110, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 136,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9233, 0.3867, 0.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 136, 0) }
```

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

```
.background{ background-color: rgb(110,  
136, 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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