

Converting Colors

$Y_{xy}(20.6804, 0.4239, 0.5017)$

Have a look what the booklet for
Yxy(20.6804, 0.4239, 0.5017)
contains.

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Color

Yxy(20.6871, 0.4245, 0.5011)

Conversions

Conversions Part 1

Format	Color
Hex	858100
RGB	133, 129, 0
RGB Percent	52%, 51%, 0%
CMY	0.4784, 0.4941, 0.9997
CMYK	0.00, 0.03, 1.00, 0.48
HSL	58°, 100%, 26%
HSV	58°, 100%, 52%
XYZ	17.5248, 20.6871, 3.0715
YIQ	115.4900, 43.7930, -39.2710

Conversions

Conversions Part 2

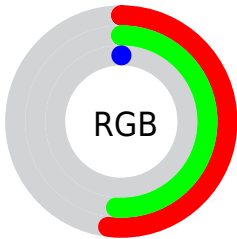
Format	Color
R_{YB}	4, 133, 0
Decimal	8749312
CIE Lab	52.61, -11.13, 57.40
CIE LCh	53, 58.472, 100.973
Yxy	20.6871, 0.4245, 0.5011
Android (android.graphics.Color)	4286939392 (0xFF858100)
YUV	115.4900, -56.9366, 15.3563
Hunter-Lab	45.4831, -10.8187, 27.8343

Details

The Yxy color **20.6871, 0.4245, 0.5011** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **1.7832, 0.1508, 0.0628**, and the grayscale version is **17.4719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8083, 0.4073, 0.4683**, and **7.4428, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **20.6872, 0.4245, 0.5011**, and if you desaturate by 10%, it is **20.8239, 0.4207, 0.4963**.

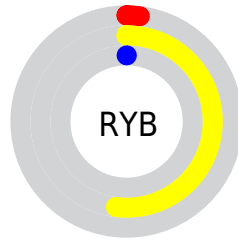
Distribution



Red (52%)

Green (51%)

Blue (0%)



Red (2%)

Yellow (52%)

Blue (0%)

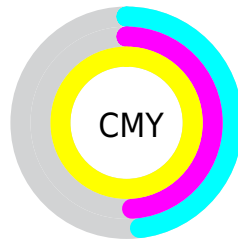


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (48%)



Cyan (48%)


Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6871, 0.4245, 0.5011 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 20.6871, 0.4245, 0.5011 by changing the saturation by 10% instead.


 20.6871, 0.4245,
0.5011

 20.6871, 0.4245,
0.5011


255.6109, 0.3705,
0.4095


 12.8955, 0.4329,
0.5214


 44.5662, 0.4075,
0.4685


 7.3566, 0.4466,
0.5534


 61.4225, 0.4000,
0.4558

 3.6861, 0.4357,
0.5643

 82.0691, 0.3935,
0.4450

 1.4996, 0.4171,
0.5829

 106.8904, 0.3877,
0.4357

 0.2884, 0.0084,
0.9916

 136.2708, 0.3826,
0.4278

 0.0000, 0.0000,
0.0000

 170.5948, 0.3781,

0.4209

■ 210.2467, 0.3741,
0.4149

■ 20.6871, 0.4245,
0.5011

■ 20.6871, 0.4245,
0.5011

■ 20.6872, 0.4245,
0.5011

■ 20.8239, 0.4207,
0.4963

■ 20.9779, 0.4152,
0.4886

■ 21.1601, 0.4072,
0.4769

■ 21.3739, 0.3970,
0.4614

■ 21.6221, 0.3848,
0.4427

■ 21.9074, 0.3711,
0.4215

■ 22.2320, 0.3566,
0.3987

■ 22.5980, 0.3417,
0.3752

■ 23.0075, 0.3270,
0.3517

Harmonies

Analogous

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



20.6871, 0.4961, 0.4327



20.6871, 0.4245, 0.5011



20.6871, 0.3307, 0.5278

Triad

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



20.6871, 0.4245, 0.5011



20.6871, 0.1423, 0.2431



20.6871, 0.3701, 0.2329

Complementary

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



20.6871, 0.4245, 0.5011



1.7832, 0.1508, 0.0628

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.



20.6871, 0.2640, 0.1927



20.6871, 0.4245, 0.5011



20.6871, 0.1491, 0.1916

Square

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



20.6871, 0.4245, 0.5011



20.6871, 0.1702, 0.3421



20.6871, 0.1886, 0.1776



20.6871, 0.4721, 0.2917

Rectangle

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



20.6871, 0.4245, 0.5011



20.6871, 0.2668, 0.4960



20.6871, 0.1886, 0.1776



20.6871, 0.3328, 0.2170

Sweetspot

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



20.6881, 0.4245, 0.5011



39.7602, 0.3577, 0.4004



4.9991, 0.6347, 0.3271



8.9094, 0.3629, 0.4087



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.6881, 0.4245, 0.5011



36.9972, 0.4246, 0.5010



18.1170, 0.3431, 0.5657



5.3996, 0.3258, 0.3498



19.7037, 0.4245, 0.5011



0.0701, 0.4217, 0.5034

Inverse Universe

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



1.7832, 0.1508, 0.0628



3.1462, 0.1506, 0.0620



2.7234, 0.1987, 0.0869



4.5654, 0.2992, 0.3073



1.6982, 0.1508, 0.0628



0.0073, 0.1544, 0.0757

Previews

White Background



This preview shows how the Yxy color 20.6871, 0.4245, 0.5011 looks on a white background.

Color Contrast Check

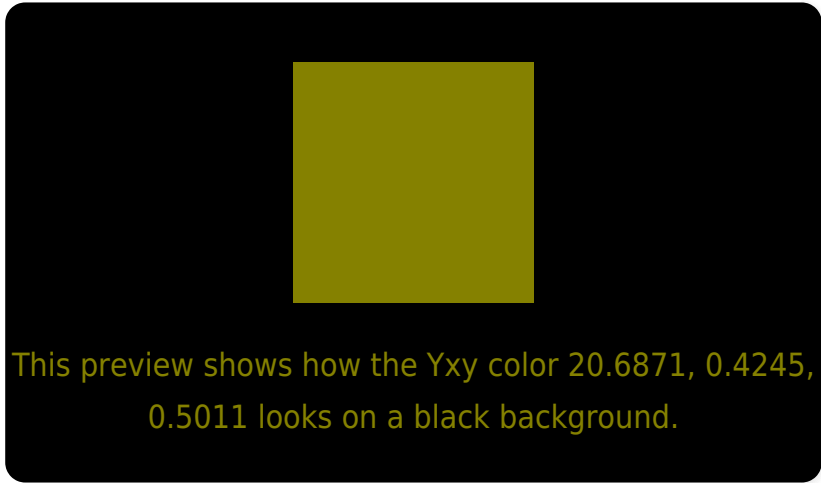
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

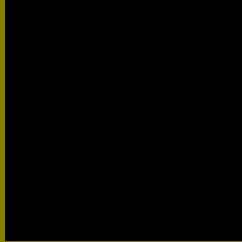
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6871, 0.4245, 0.5011

Background



This preview shows how black text looks on a background with the Yxy color 20.6871, 0.4245, 0.5011.



This preview shows how white text looks on a background with the Yxy color 20.6871, 0.4245, 0.5011.

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

20.6871, 0.4245, 0.5011

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.6116, 0.4658, 0.4569



Tritanopia

20.6806, 0.3284, 0.3135

Trichromacy



Original Color

20.6871, 0.4245, 0.5011

Protanomaly

20.6677, 0.4349, 0.4929

Deuteranomaly

20.6765, 0.4514, 0.4731

Tritanomaly

20.1784, 0.3807, 0.4025

Monochromacy



Original Color

20.6871, 0.4245, 0.5011

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3067, 0.3695, 0.4202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6871, 0.4245, 0.5011 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 129, 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, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6871, 0.4245, 0.5011 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, 129, 0) }
```

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

```
.border{ border-color:rgb(133, 129, 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, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6871, 0.4245, 0.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 129, 0) }
```

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

```
.background{ background-color: rgb(133,  
129, 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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