

Converting Colors

$Y_{xy}(22.2762, 0.4110, 0.5000)$

Have a look what the booklet for
Yxy(22.2762, 0.4110, 0.5000)
contains.

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Color

$Y_{xy}(22.2805, 0.4109, 0.5003)$

Conversions

Conversions Part 1

Format	Color
Hex	848713
RGB	132, 135, 19
RGB Percent	52%, 53%, 7%
CMY	0.4823, 0.4706, 0.9253
CMYK	0.02, 0.00, 0.86, 0.47
HSL	62°, 75%, 30%
HSV	62°, 86%, 53%
XYZ	18.2991, 22.2805, 3.9546
YIQ	120.8790, 35.4480, -36.7120

Conversions

Conversions Part 2

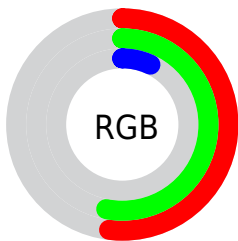
Format	Color
RYB	19, 135, 22
Decimal	8685331
CIELab	54.32, -14.40, 55.01
CIELCh	54, 56.868, 104.672
Yxy	22.2805, 0.4109, 0.5003
Android (android.graphics.Color)	4286875411 (0xFF848713)
YUV	120.8790, -50.2263, 9.7531
Hunter-Lab	47.2022, -13.4039, 28.0742

Details

The Yxy color **22.2805, 0.4109, 0.5003** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.3882, 0.1622, 0.0784**, and the grayscale version is **19.2394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1796, 0.3961, 0.4669**, and **8.3178, 0.4062, 0.5157** is the 20% darker color. If you saturate the color by 10%, you get **22.2185, 0.4139, 0.5065**, and if you desaturate by 10%, it is **22.3698, 0.4056, 0.4903**.

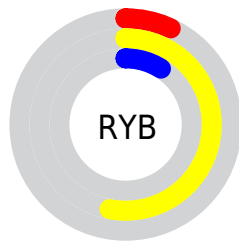
Distribution



Red (52%)

Green (53%)

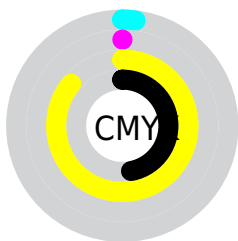
Blue (7%)



Red (7%)

Yellow (53%)

Blue (9%)

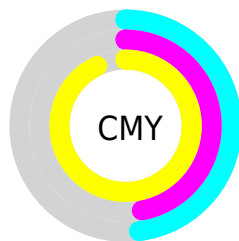


Cyan (2%)

Magenta (0%)

Yellow (86%)

Black (47%)



Cyan (48%)


Magenta (47%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2805, 0.4109, 0.5003 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 22.2805, 0.4109, 0.5003 by changing the saturation by 10% instead.


 22.2805, 0.4109,
0.5003


 22.2805, 0.4109,
0.5003


 264.0076, 0.3639,
0.4079


 14.0632, 0.4183,
0.5222


 47.2092, 0.3960,
0.4666


 8.1646, 0.4275,
0.5528


 64.6893, 0.3896,
0.4537


 4.2005, 0.4230,
0.5770

 86.0258, 0.3839,
0.4429

 1.7863, 0.4011,
0.5989

 111.6030, 0.3789,
0.4338

 0.4786, 0.1775,
0.8225

 141.8054, 0.3744,
0.4259

 0.0000, 0.0000,
0.0000

 177.0174, 0.3705,

0.4191

217.6233, 0.3670,
0.4131

22.2805, 0.4109,
0.5003

22.2805, 0.4109,
0.5003

22.2185, 0.4139,
0.5065

22.3698, 0.4056,
0.4903

22.1948, 0.4150,
0.5087

22.4883, 0.3979,
0.4763

22.6405, 0.3879,
0.4586

22.8291, 0.3761,
0.4380

23.0567, 0.3630,
0.4152

■ 23.3255, 0.3491,
0.3913

■ 23.6378, 0.3349,
0.3669

■ 23.9955, 0.3208,
0.3428

■ 24.4005, 0.3072,
0.3196

Harmonies

Analogous

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



22.2805, 0.4825, 0.4390



22.2805, 0.4109, 0.5003



22.2805, 0.3198, 0.5144

Triad

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



22.2805, 0.4109, 0.5003



22.2805, 0.1480, 0.2393



22.2805, 0.3807, 0.2432

Complementary

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



22.2805, 0.4109, 0.5003



2.3882, 0.1622, 0.0784

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.



22.2805, 0.2779, 0.2016



22.2805, 0.4109, 0.5003



22.2805, 0.1584, 0.1941

Square

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



22.2805, 0.4109, 0.5003



22.2805, 0.1711, 0.3283



22.2805, 0.2009, 0.1839



22.2805, 0.4732, 0.3019

Rectangle

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



22.2805, 0.4109, 0.5003



22.2805, 0.2591, 0.4761



22.2805, 0.2009, 0.1839



22.2805, 0.3452, 0.2270

Sweetspot

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



22.2815, 0.4109, 0.5003



41.7358, 0.3501, 0.3930



5.7342, 0.6002, 0.3316



9.6307, 0.3543, 0.4002



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.



22.2815, 0.4109, 0.5003



39.7359, 0.4149, 0.5088



18.8748, 0.3417, 0.5517



5.4171, 0.3253, 0.3505



20.4676, 0.4150, 0.5087



0.0714, 0.4173, 0.5069

Inverse Universe

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



2.3882, 0.1622, 0.0784



3.1619, 0.1508, 0.0605



3.8777, 0.2239, 0.1109



4.5499, 0.2995, 0.3066



1.6347, 0.1512, 0.0607



0.0060, 0.1567, 0.0637

Previews

White Background



This preview shows how the Yxy color 22.2805, 0.4109, 0.5003 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 22.2805, 0.4109, 0.5003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

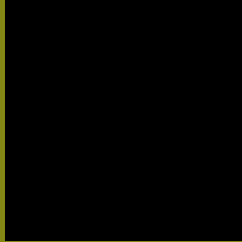
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2805, 0.4109, 0.5003

Background



This preview shows how black text looks on a background with the Yxy color 22.2805, 0.4109, 0.5003.



This preview shows how white text looks on a background with the Yxy color 22.2805, 0.4109, 0.5003.

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

22.2805, 0.4109, 0.5003

Protanopia

22.1199, 0.4350, 0.4824

Deuteranopia

22.1376, 0.4625, 0.4532



Tritanopia

22.3337, 0.3206, 0.3138

Trichromacy



Original Color

22.2805, 0.4109, 0.5003

Protanomaly

22.2089, 0.4262, 0.4893

Deuteranomaly

21.9201, 0.4440, 0.4701

Tritanomaly

21.8941, 0.3645, 0.3930

Monochromacy



Original Color

22.2805, 0.4109, 0.5003

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9218, 0.3594, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2805, 0.4109, 0.5003 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, 135, 19)` looks like.

```
.text, #text, p{  
    color:rgb(132, 135, 19)  
}
```

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, 135, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 135, 19) }
```

Border

The CSS property to change the border of an element to Yxy 22.2805, 0.4109, 0.5003 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, 135, 19) }
```

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

```
.border{ border-color:rgb(132, 135, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 135, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 135, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 135, 19);  
box-shadow:4px 4px 4px 4px rgb(132, 135,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2805, 0.4109, 0.5003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 135, 19) }
```

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

```
.background{ background-color: rgb(132,  
135, 19) }
```

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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