

Converting Colors

$Y_{xy}(22.7251, 0.4175, 0.5002)$

Have a look what the booklet for
Yxy(22.7251, 0.4175, 0.5002)
contains.

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Color

Yxy(22.5887, 0.4179, 0.4999)

Conversions

Conversions Part 1

Format	Color
Hex	88870C
RGB	136, 135, 12
RGB Percent	53%, 53%, 5%
CMY	0.4667, 0.4706, 0.9527
CMYK	0.00, 0.01, 0.91, 0.47
HSL	60°, 84%, 29%
HSV	60°, 91%, 53%
XYZ	18.8834, 22.5887, 3.7143
YIQ	121.2770, 40.0790, -38.0410

Conversions

Conversions Part 2

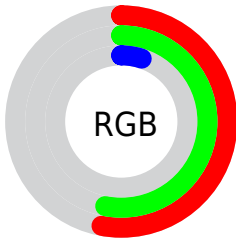
Format	Color
R_{YB}	13, 136, 12
Decimal	8947468
CIE _{Lab}	54.65, -12.75, 56.94
CIE _{LCh}	55, 58.351, 102.626
Yxy	22.5887, 0.4179, 0.4999
Android (android.graphics.Color)	4287137548 (0xFF88870C)
YUV	121.2770, -53.8736, 12.9121
Hunter-Lab	47.5276, -12.2525, 28.6357

Details

The Yxy color **22.5887, 0.4179, 0.4999** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.1452, 0.1562, 0.0707**, and the grayscale version is **19.3857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7849, 0.4024, 0.4670**, and **8.4494, 0.4118, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **22.5362, 0.4207, 0.5042**, and if you desaturate by 10%, it is **22.6665, 0.4133, 0.4926**.

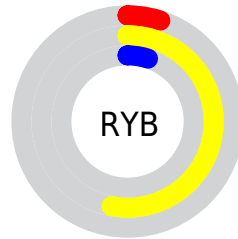
Distribution



Red (53%)

Green (53%)

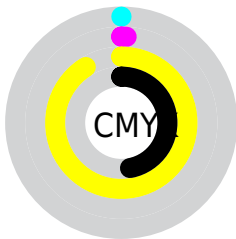
Blue (5%)



Red (5%)

Yellow (53%)

Blue (5%)

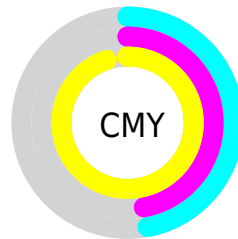


Cyan (0%)

Magenta (1%)

Yellow (91%)

Black (47%)



Cyan (47%)


Magenta (47%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5887, 0.4179, 0.4999 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 22.5887, 0.4179, 0.4999 by changing the saturation by 10% instead.


 22.5887, 0.4179,
0.4999


 22.5887, 0.4179,
0.4999


265.6054, 0.3677,
0.4090


 14.2901, 0.4259,
0.5206


 47.7171, 0.4020,
0.4673


 8.3227, 0.4367,
0.5504


 65.3157, 0.3952,
0.4547


 4.3021, 0.4311,
0.5689

 86.7830, 0.3891,
0.4440

 1.8440, 0.4121,
0.5879

 112.5036, 0.3837,
0.4349

 0.5144, 0.2566,
0.7434

 142.8617, 0.3789,
0.4271

 0.0000, 0.0000,
0.0000

 178.2417, 0.3747,

0.4202

 219.0282, 0.3710,
0.4143


 22.5887, 0.4179,
0.4999


 22.5887, 0.4179,
0.4999


 22.5362, 0.4207,
0.5042

 22.6665, 0.4133,
0.4926

 22.7720, 0.4062,
0.4813

 22.9100, 0.3967,
0.4661

 23.0835, 0.3852,
0.4474

 23.2952, 0.3722,
0.4262

■ 23.5477, 0.3580,
0.4031

■ 23.8432, 0.3434,
0.3792

■ 24.1838, 0.3287,
0.3551

■ 24.5714, 0.3143,
0.3316

Harmonies

Analogous

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



22.5887, 0.4889, 0.4353



22.5887, 0.4179, 0.4999



22.5887, 0.3259, 0.5203

Triad

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



22.5887, 0.4179, 0.4999



22.5887, 0.1458, 0.2420



22.5887, 0.3746, 0.2381

Complementary

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



22.5887, 0.4179, 0.4999



2.1452, 0.1562, 0.0707

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.



22.5887, 0.2706, 0.1975



22.5887, 0.4179, 0.4999



22.5887, 0.1542, 0.1936

Square

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



22.5887, 0.4179, 0.4999



22.5887, 0.1715, 0.3357



22.5887, 0.1949, 0.1813



22.5887, 0.4716, 0.2967

Rectangle

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



22.5887, 0.4179, 0.4999



22.5887, 0.2637, 0.4856



22.5887, 0.1949, 0.1813



22.5887, 0.3383, 0.2222

Sweetspot

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



22.5898, 0.4179, 0.4999



41.6769, 0.3529, 0.3947



5.5303, 0.6156, 0.3285



9.6182, 0.3571, 0.4016



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.



22.5898, 0.4179, 0.4999



39.7068, 0.4207, 0.5042



19.1740, 0.3441, 0.5564



5.8382, 0.3258, 0.3505



21.3321, 0.4207, 0.5042



0.1427, 0.4199, 0.5048

Inverse Universe

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



2.1452, 0.1562, 0.0707



3.1631, 0.1502, 0.0605



3.4182, 0.2117, 0.0999



4.8982, 0.2991, 0.3066



1.7054, 0.1502, 0.0607



0.0121, 0.1512, 0.0642

Previews

White Background



This preview shows how the Yxy color 22.5887, 0.4179, 0.4999 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 22.5887, 0.4179, 0.4999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

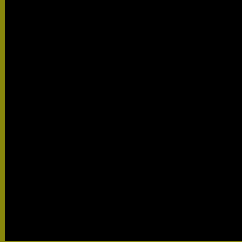
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5887, 0.4179, 0.4999

Background



This preview shows how black text looks on a background with the Yxy color 22.5887, 0.4179, 0.4999.



This preview shows how white text looks on a background with the Yxy color 22.5887, 0.4179, 0.4999.

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

22.5887, 0.4179, 0.4999

Protanopia

22.5504, 0.4384, 0.4850

Deuteranopia

22.4765, 0.4641, 0.4559



Tritanopia

22.6907, 0.3253, 0.3140

Trichromacy



Original Color

22.5887, 0.4179, 0.4999

Protanomaly

22.4560, 0.4319, 0.4895

Deuteranomaly

22.3554, 0.4471, 0.4723

Tritanomaly

22.1895, 0.3730, 0.3970

Monochromacy



Original Color

22.5887, 0.4179, 0.4999

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9514, 0.3640, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5887, 0.4179, 0.4999 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(136, 135, 12)` looks like.

```
.text, #text, p{  
    color:rgb(136, 135, 12)  
}
```

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(136, 135, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 135, 12) }
```

Border

The CSS property to change the border of an element to Yxy 22.5887, 0.4179, 0.4999 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(136, 135, 12) }
```

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

```
.border{ border-color:rgb(136, 135, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 135, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 135, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 135, 12);  
box-shadow:4px 4px 4px 4px rgb(136, 135,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5887, 0.4179, 0.4999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 135, 12) }
```

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

```
.background{ background-color: rgb(136,  
135, 12) }
```

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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