

Converting Colors

$Y_{xy}(22.4832, 0.4189, 0.5045)$

Have a look what the booklet for
Yxy(22.4832, 0.4189, 0.5045)
contains.

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Color

Yxy(22.4832, 0.4189, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	878702
RGB	135, 135, 2
RGB Percent	53%, 53%, 1%
CMY	0.4705, 0.4706, 0.9920
CMYK	0.00, 0.00, 0.98, 0.47
HSL	60°, 97%, 27%
HSV	60°, 98%, 53%
XYZ	18.6684, 22.4832, 3.4137
YIQ	119.8380, 42.6930, -41.3630

Conversions

Conversions Part 2

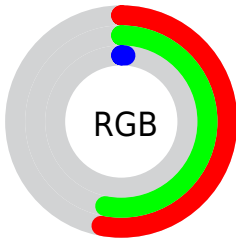
Format	Color
R_{YB}	2, 135, 2
Decimal	8881922
CIE Lab	54.54, -13.39, 58.55
CIE LCh	55, 60.061, 102.883
Yxy	22.4832, 0.4189, 0.5045
Android (android.graphics.Color)	4287072002 (0xFF878702)
YUV	119.8380, -58.0941, 13.2971
Hunter-Lab	47.4165, -12.7013, 28.9230

Details

The Yxy color **22.4832, 0.4189, 0.5045** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.8071, 0.1511, 0.0617**, and the grayscale version is **18.9091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6026, 0.4037, 0.4710**, and **8.4049, 0.4100, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **22.4797, 0.4193, 0.5052**, and if you desaturate by 10%, it is **22.5162, 0.4158, 0.4993**.

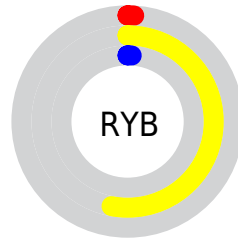
Distribution



Red (53%)

Green (53%)

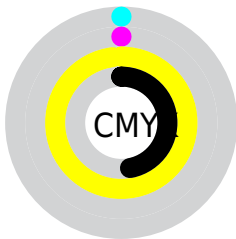
Blue (1%)



Red (1%)

Yellow (53%)

Blue (1%)

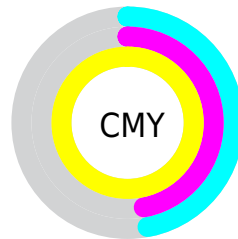


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4832, 0.4189, 0.5045 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 22.4832, 0.4189, 0.5045 by changing the saturation by 10% instead.


 22.4832, 0.4189,
0.5045


 22.4832, 0.4189,
0.5045


265.0594, 0.3689,
0.4115


 14.2124, 0.4263,
0.5253


 47.5433, 0.4034,
0.4713


 8.2685, 0.4379,
0.5574


 65.1014, 0.3966,
0.4585

 4.2672, 0.4280,
0.5720

 86.5241, 0.3905,
0.4475

 1.8242, 0.4079,
0.5921

 112.1957, 0.3851,
0.4381


 0.5022, 0.2305,
0.7695


 142.5006, 0.3803,
0.4301


 0.0000, 0.0000,
0.0000

 177.8233, 0.3760,


0.4231


 218.5481, 0.3722,
0.4169


 22.4832, 0.4189,
0.5045


 22.4832, 0.4189,
0.5045


 22.4797, 0.4193,
0.5052

 22.5162, 0.4158,
0.4993

 22.5695, 0.4107,
0.4909

 22.6521, 0.4031,
0.4784

 22.7673, 0.3933,
0.4622

 22.9182, 0.3815,
0.4427

■ 23.1074, 0.3682,
0.4208

■ 23.3372, 0.3540,
0.3973

■ 23.6098, 0.3394,
0.3731

■ 23.9272, 0.3248,
0.3490

Harmonies

Analogous

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



22.4832, 0.4925, 0.4374



22.4832, 0.4189, 0.5045



22.4832, 0.3245, 0.5265

Triad

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



22.4832, 0.4189, 0.5045



22.4832, 0.1419, 0.2386



22.4832, 0.3773, 0.2362

Complementary

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



22.4832, 0.4189, 0.5045



1.8071, 0.1511, 0.0617

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.



22.4832, 0.2701, 0.1946



22.4832, 0.4189, 0.5045



22.4832, 0.1508, 0.1899

Square

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



22.4832, 0.4189, 0.5045



22.4832, 0.1673, 0.3345



22.4832, 0.1924, 0.1779



22.4832, 0.4770, 0.2959

Rectangle

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



22.4832, 0.4189, 0.5045



22.4832, 0.2610, 0.4905



22.4832, 0.1924, 0.1779



22.4832, 0.3398, 0.2199

Sweetspot

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



22.4843, 0.4189, 0.5045



41.6872, 0.3572, 0.4025



5.2054, 0.6337, 0.3286



9.6187, 0.3624, 0.4112



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.



22.4843, 0.4189, 0.5045



40.2477, 0.4193, 0.5052



18.6660, 0.3412, 0.5658



5.4230, 0.3257, 0.3505



20.7245, 0.4193, 0.5052



0.0718, 0.4193, 0.5052

Inverse Universe

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



1.8071, 0.1511, 0.0617



3.1330, 0.1500, 0.0600



2.9625, 0.2033, 0.0904



4.5446, 0.2992, 0.3066



1.6134, 0.1500, 0.0600



0.0056, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 22.4832, 0.4189, 0.5045 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 22.4832, 0.4189, 0.5045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

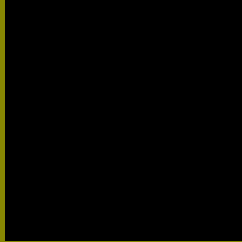
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4832, 0.4189, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 22.4832, 0.4189, 0.5045.



This preview shows how white text looks on a background with the Yxy color 22.4832, 0.4189, 0.5045.

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

22.4832, 0.4189, 0.5045

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.4651, 0.4653, 0.4574



Tritanopia

22.3458, 0.3243, 0.3122

Trichromacy



Original Color

22.4832, 0.4189, 0.5045

Protanomaly

22.3444, 0.4329, 0.4939

Deuteranomaly

22.3374, 0.4490, 0.4749

Tritanomaly

22.0514, 0.3751, 0.4024

Monochromacy



Original Color

22.4832, 0.4189, 0.5045

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.5630, 0.3677, 0.4199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4832, 0.4189, 0.5045 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(135, 135, 2)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 2)  
}
```

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(135, 135, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 22.4832, 0.4189, 0.5045 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(135, 135, 2) }
```

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

```
.border{ border-color:rgb(135, 135, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 135, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 135, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 135, 2);  
box-shadow:4px 4px 4px 4px rgb(135, 135,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4832, 0.4189, 0.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 2) }
```

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

```
.background{ background-color: rgb(135,  
135, 2) }
```

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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