

Converting Colors

$Y_{xy}(22.4391, 0.4154, 0.4998)$

Have a look what the booklet for
Yxy(22.4391, 0.4154, 0.4998)
contains.

Yxy(22.5133, 0.4159, 0.4996)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5133, 0.4159, 0.4996)

Conversions

Conversions Part 1

Format	Color
Hex	87870F
RGB	135, 135, 15
RGB Percent	53%, 53%, 6%
CMY	0.4706, 0.4706, 0.9413
CMYK	0.00, 0.00, 0.89, 0.47
HSL	60°, 80%, 29%
HSV	60°, 89%, 53%
XYZ	18.7416, 22.5133, 3.8078
YIQ	121.3200, 38.5200, -37.3200

Conversions

Conversions Part 2

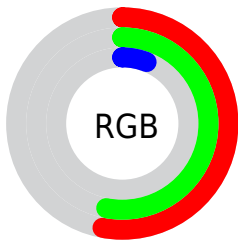
Format	Color
R_{YB}	15, 135, 15
Decimal	8881935
CIE _{Lab}	54.57, -13.15, 56.26
CIE _{LCh}	55, 57.780, 103.153
Yxy	22.5133, 0.4159, 0.4996
Android (android.graphics.Color)	4287072015 (0xFF87870F)
YUV	121.3200, -52.4158, 11.9974
Hunter-Lab	47.4482, -12.5286, 28.4556

Details

The Yxy color **22.5133, 0.4159, 0.4996** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.1911, 0.1579, 0.0730**, and the grayscale version is **19.3924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5372, 0.4000, 0.4672**, and **8.4049, 0.4100, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **22.4831, 0.4190, 0.5047**, and if you desaturate by 10%, it is **22.5661, 0.4109, 0.4914**.

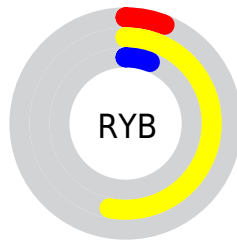
Distribution



Red (53%)

Green (53%)

Blue (6%)



Red (6%)

Yellow (53%)

Blue (6%)

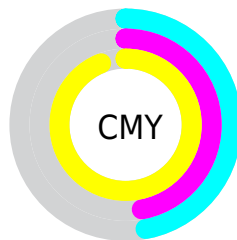


Cyan (0%)

Magenta (0%)

Yellow (89%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5133, 0.4159, 0.4996 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 22.5133, 0.4159, 0.4996 by changing the saturation by 10% instead.


 22.5133, 0.4159,
0.4996


 22.5133, 0.4159,
0.4996


265.2153, 0.3665,
0.4085


 14.2345, 0.4238,
0.5206


 47.5929, 0.4003,
0.4667


 8.2840, 0.4341,
0.5504


 65.1626, 0.3935,
0.4541

 4.2772, 0.4292,
0.5708

 86.5980, 0.3875,
0.4434

 1.8298, 0.4095,
0.5905

 112.2836, 0.3822,
0.4343

 0.5056, 0.2399,
0.7601

 142.6037, 0.3776,
0.4265

 0.0000, 0.0000,
0.0000

 177.9427, 0.3735,

0.4197

218.6851, 0.3698,
0.4137

22.5133, 0.4159,
0.4996

22.5133, 0.4159,
0.4996

22.4831, 0.4190,
0.5047

22.5661, 0.4109,
0.4914

22.4799, 0.4193,
0.5053

22.6469, 0.4035,
0.4791

22.7604, 0.3937,
0.4630

22.9093, 0.3820,
0.4436

23.0964, 0.3688,
0.4218

■ 23.3241, 0.3546,
0.3983

■ 23.5944, 0.3400,
0.3742

■ 23.9094, 0.3254,
0.3500

■ 24.2711, 0.3112,
0.3265

Harmonies

Analogous

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



22.5133, 0.4868, 0.4361



22.5133, 0.4159, 0.4996



22.5133, 0.3244, 0.5181

Triad

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



22.5133, 0.4159, 0.4996



22.5133, 0.1468, 0.2416



22.5133, 0.3760, 0.2397

Complementary

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



22.5133, 0.4159, 0.4996



2.1911, 0.1579, 0.0730

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.



22.5133, 0.2726, 0.1988



22.5133, 0.4159, 0.4996



22.5133, 0.1556, 0.1941

Square

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



22.5133, 0.4159, 0.4996



22.5133, 0.1718, 0.3338



22.5133, 0.1968, 0.1823



22.5133, 0.4715, 0.2981

Rectangle

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



22.5133, 0.4159, 0.4996



22.5133, 0.2627, 0.4826



22.5133, 0.1968, 0.1823



22.5133, 0.3401, 0.2237

Sweetspot

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



22.5144, 0.4159, 0.4996



41.8253, 0.3527, 0.3952



5.5261, 0.6118, 0.3299



9.6562, 0.3570, 0.4022



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.



22.5144, 0.4159, 0.4996



40.2545, 0.4193, 0.5053



18.8586, 0.3428, 0.5549



5.4230, 0.3257, 0.3505



20.7279, 0.4193, 0.5053



0.0718, 0.4193, 0.5053

Inverse Universe

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



2.1911, 0.1579, 0.0730



3.1327, 0.1500, 0.0600



3.5849, 0.2173, 0.1047



4.5446, 0.2992, 0.3066



1.6131, 0.1500, 0.0600



0.0056, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 22.5133, 0.4159, 0.4996 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 22.5133, 0.4159, 0.4996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

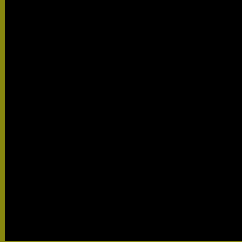
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5133, 0.4159, 0.4996

Background



This preview shows how black text looks on a background with the Yxy color 22.5133, 0.4159, 0.4996.



This preview shows how white text looks on a background with the Yxy color 22.5133, 0.4159, 0.4996.

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

22.5133, 0.4159, 0.4996

Protanopia

22.4647, 0.4364, 0.4848

Deuteranopia

22.4848, 0.4632, 0.4548



Tritanopia

22.6003, 0.3242, 0.3139

Trichromacy



Original Color

22.5133, 0.4159, 0.4996

Protanomaly

22.3739, 0.4299, 0.4893

Deuteranomaly

22.3625, 0.4464, 0.4713

Tritanomaly

22.1186, 0.3706, 0.3956

Monochromacy



Original Color

22.5133, 0.4159, 0.4996

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9665, 0.3629, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5133, 0.4159, 0.4996 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 15) }
```

Border

The CSS property to change the border of an element to Yxy 22.5133, 0.4159, 0.4996 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, 15) }
```

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

```
.border{ border-color:rgb(135, 135, 15) }
```

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, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 135, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 135, 15);  
box-shadow:4px 4px 4px 4px rgb(135, 135,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5133, 0.4159, 0.4996 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, 15) }
```

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

```
.background{ background-color: rgb(135,  
135, 15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor