

Converting Colors

$Y_{xy}(23.1141, 0.3991, 0.4812)$

Have a look what the booklet for
Yxy(23.1141, 0.3991, 0.4812)
contains.

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Color

Yxy(23.1341, 0.3996, 0.4811)

Conversions

Conversions Part 1

Format	Color
Hex	86892B
RGB	134, 137, 43
RGB Percent	53%, 54%, 17%
CMY	0.4744, 0.4627, 0.8314
CMYK	0.02, 0.00, 0.69, 0.46
HSL	62°, 52%, 35%
HSV	62°, 69%, 54%
XYZ	19.2151, 23.1341, 5.7366
YIQ	125.3870, 28.3860, -29.8700

Conversions

Conversions Part 2

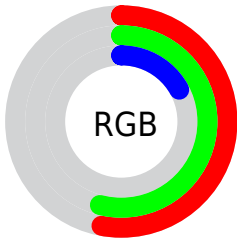
Format	Color
R_{YB}	43, 137, 46
Decimal	8816939
CIE _{Lab}	55.21, -13.49, 47.80
CIE _{LCh}	55, 49.666, 105.758
Yxy	23.1341, 0.3996, 0.4811
Android (android.graphics.Color)	4287007019 (0xFF86892B)
YUV	125.3870, -40.6168, 7.5536
Hunter-Lab	48.0979, -12.8607, 26.5970

Details

The Yxy color **23.1341, 0.3996, 0.4811** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.1132, 0.1872, 0.1184**, and the grayscale version is **20.7792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5822, 0.3857, 0.4497**, and **8.5657, 0.4082, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **23.0153, 0.4066, 0.4941**, and if you desaturate by 10%, it is **23.2889, 0.3903, 0.4643**.

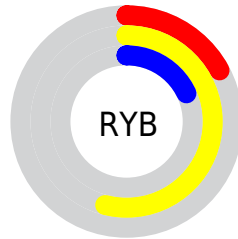
Distribution



Red (53%)

Green (54%)

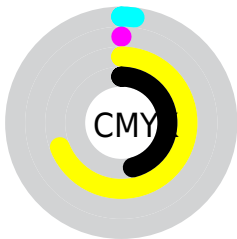
Blue (17%)



Red (17%)

Yellow (54%)

Blue (18%)

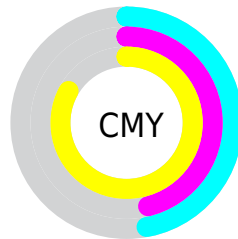


Cyan (2%)

Magenta (0%)

Yellow (69%)

Black (46%)



Cyan (47%)


Magenta (46%)


Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1341, 0.3996, 0.4811 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 23.1341, 0.3996, 0.4811 by changing the saturation by 10% instead.


 23.1341, 0.3996,
0.4811


 23.1341, 0.3996,
0.4811


268.4130, 0.3564,
0.3977


 14.6926, 0.4080,
0.5024


 48.6134, 0.3850,
0.4498


 8.6039, 0.4159,
0.5287


 66.4200, 0.3791,
0.4383


 4.4837, 0.4286,
0.5714

 88.1170, 0.3739,
0.4286

 1.9477, 0.4091,
0.5909

 114.0889, 0.3695,
0.4205

 0.5768, 0.2752,
0.7248

 144.7201, 0.3656,
0.4135

 0.0000, 0.0000,
0.0000

 180.3949, 0.3622,

0.4075

221.4977, 0.3591,
0.4023

■ 23.1341, 0.3996,
0.4811

■ 23.1341, 0.3996,
0.4811

■ 23.0153, 0.4066,
0.4941

■ 23.2889, 0.3903,
0.4643

■ 22.9259, 0.4111,
0.5031

■ 23.4797, 0.3791,
0.4443

■ 22.8585, 0.4136,
0.5088

■ 23.7101, 0.3664,
0.4219

■ 22.8495, 0.4140,
0.5095

■ 23.9827, 0.3528,
0.3981

■ 24.2997, 0.3387,
0.3736

■ 24.6632, 0.3246,
0.3494

■ 25.0752, 0.3109,
0.3258

■ 25.5376, 0.2977,
0.3034

■ 26.0520, 0.2854,
0.2825

Harmonies

Analogous

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



23.1341, 0.4619, 0.4323



23.1341, 0.3996, 0.4811



23.1341, 0.3189, 0.4856

Triad

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



23.1341, 0.3996, 0.4811



23.1341, 0.1659, 0.2500



23.1341, 0.3755, 0.2552

Complementary

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



23.1341, 0.3996, 0.4811



4.1132, 0.1872, 0.1184

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.



23.1341, 0.2861, 0.2166



23.1341, 0.3996, 0.4811



23.1341, 0.1761, 0.2093

Square

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



23.1341, 0.3996, 0.4811



23.1341, 0.1869, 0.3267



23.1341, 0.2162, 0.2000



23.1341, 0.4535, 0.3091

Rectangle

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



23.1341, 0.3996, 0.4811



23.1341, 0.2652, 0.4504



23.1341, 0.2162, 0.2000



23.1341, 0.3450, 0.2402

Sweetspot

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



23.1352, 0.3996, 0.4811



43.3473, 0.3427, 0.3806



7.3356, 0.5284, 0.3320



9.6922, 0.3460, 0.3864



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.



23.1352, 0.3996, 0.4811



41.1274, 0.4092, 0.4993



20.1610, 0.3441, 0.5160



5.8370, 0.3253, 0.3506



21.2856, 0.4140, 0.5095



0.1426, 0.4168, 0.5072

Inverse Universe

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



4.1132, 0.1872, 0.1184



4.6636, 0.1648, 0.0821



5.7857, 0.2449, 0.1454



4.8993, 0.2995, 0.3065



1.7096, 0.1515, 0.0608



0.0122, 0.1582, 0.0645

Previews

White Background



This preview shows how the Yxy color 23.1341, 0.3996, 0.4811 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 23.1341, 0.3996, 0.4811 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 23.1341, 0.3996, 0.4811

Background



This preview shows how black text looks on a background with the Yxy color 23.1341, 0.3996, 0.4811.



This preview shows how white text looks on a background with the Yxy color 23.1341, 0.3996, 0.4811.

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

23.1341, 0.3996, 0.4811

Protanopia

22.9656, 0.4230, 0.4652

Deuteranopia

23.1263, 0.4472, 0.4402



Tritanopia

23.1130, 0.3193, 0.3123

Trichromacy



Original Color

23.1341, 0.3996, 0.4811

Protanomaly

23.0570, 0.4145, 0.4715

Deuteranomaly

23.0325, 0.4299, 0.4541

Tritanomaly

22.7873, 0.3547, 0.3781

Monochromacy



Original Color

23.1341, 0.3996, 0.4811

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1159, 0.3495, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1341, 0.3996, 0.4811 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(134, 137, 43)` looks like.

```
.text, #text, p{  
    color:rgb(134, 137, 43)  
}
```

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(134, 137, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 137, 43) }
```

Border

The CSS property to change the border of an element to Yxy 23.1341, 0.3996, 0.4811 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(134, 137, 43) }
```

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

```
.border{ border-color:rgb(134, 137, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 137, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 137, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 137, 43);  
box-shadow:4px 4px 4px 4px rgb(134, 137,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1341, 0.3996, 0.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 137, 43) }
```

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

```
.background{ background-color: rgb(134,  
137, 43) }
```

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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