

Converting Colors

$Y_{xy}(22.4862, 0.4342, 0.4816)$

Have a look what the booklet for
Yxy(22.4862, 0.4342, 0.4816)
contains.

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Color

Yxy(22.4862, 0.4342, 0.4816)

Conversions

Conversions Part 1

Format	Color
Hex	938314
RGB	147, 131, 20
RGB Percent	58%, 51%, 8%
CMY	0.4236, 0.4862, 0.9217
CMYK	0.00, 0.11, 0.86, 0.42
HSL	52°, 76%, 33%
HSV	52°, 86%, 58%
XYZ	20.2731, 22.4862, 3.9313
YIQ	123.1300, 45.1670, -31.1290

Conversions

Conversions Part 2

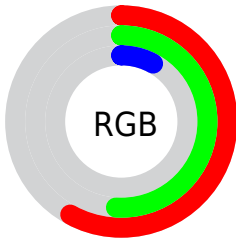
Format	Color
RYB	38, 147, 20
Decimal	9667348
CIELab	54.54, -5.31, 55.52
CIELCh	55, 55.769, 95.459
Yxy	22.4862, 0.4342, 0.4816
Android (android.graphics.Color)	4287857428 (0xFF938314)
YUV	123.1300, -50.8431, 20.9340
Hunter-Lab	47.4196, -6.6711, 28.2783

Details

The Yxy color **22.4862, 0.4342, 0.4816** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.5122, 0.1642, 0.0933**, and the grayscale version is **20.0111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6542, 0.4133, 0.4540**, and **8.3099, 0.4383, 0.4902** is the 20% darker color. If you saturate the color by 10%, you get **21.9562, 0.4407, 0.4855**, and if you desaturate by 10%, it is **23.0573, 0.4252, 0.4737**.

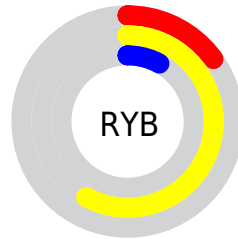
Distribution



Red (58%)

Green (51%)

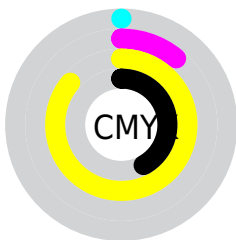
Blue (8%)



Red (15%)

Yellow (58%)

Blue (8%)

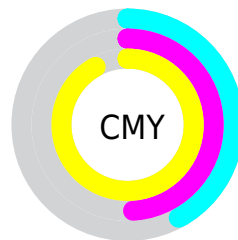


Cyan (0%)

Magenta (11%)

Yellow (86%)

Black (42%)



Cyan (42%)


Magenta (49%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4862, 0.4342, 0.4816 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 22.4862, 0.4342, 0.4816 by changing the saturation by 10% instead.


 22.4862, 0.4342,
0.4816


 22.4862, 0.4342,
0.4816


265.0749, 0.3737,
0.4024


 14.2146, 0.4456,
0.4987


 47.5483, 0.4140,
0.4538

 8.2701, 0.4605,
0.5217


 65.1075, 0.4057,
0.4429


 4.2682, 0.4642,
0.5358

 86.5315, 0.3984,
0.4335

 1.8247, 0.4566,
0.5434

 112.2044, 0.3922,
0.4255

 0.5025, 0.4092,
0.5908

 142.5109, 0.3866,
0.4185

 0.0000, 0.0000,
0.0000

 177.8352, 0.3818,

0.4125

218.5617, 0.3775,
0.4071

22.4862, 0.4342,
0.4816

22.4862, 0.4342,
0.4816

21.9562, 0.4407,
0.4855

23.0573, 0.4252,
0.4737

21.7707, 0.4429,
0.4866

23.6728, 0.4137,
0.4616

24.3377, 0.4001,
0.4459

25.0558, 0.3851,
0.4273

25.8302, 0.3693,
0.4069

■ 26.6638, 0.3532,
0.3854

■ 27.5594, 0.3373,
0.3637

■ 28.5194, 0.3221,
0.3423

■ 29.5461, 0.3077,
0.3218

Harmonies

Analogous

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



22.4862, 0.4936, 0.4166



22.4862, 0.4342, 0.4816



22.4862, 0.3485, 0.5139

Triad

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



22.4862, 0.4342, 0.4816



22.4862, 0.1542, 0.2635



22.4862, 0.3474, 0.2300

Complementary

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



22.4862, 0.4342, 0.4816



3.5122, 0.1642, 0.0933

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.



22.4862, 0.2520, 0.1957



22.4862, 0.4342, 0.4816



22.4862, 0.1546, 0.2063

Square

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



22.4862, 0.4342, 0.4816



22.4862, 0.1883, 0.3627



22.4862, 0.1866, 0.1864



22.4862, 0.4460, 0.2837

Rectangle

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



22.4862, 0.4342, 0.4816



22.4862, 0.2875, 0.4944



22.4862, 0.1866, 0.1864



22.4862, 0.3133, 0.2161

Sweetspot

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



22.4873, 0.4342, 0.4816



47.7439, 0.3533, 0.3856



6.8335, 0.5774, 0.3129



10.7896, 0.3584, 0.3924



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.4873, 0.4342, 0.4816



38.8183, 0.4434, 0.4861



23.6461, 0.3613, 0.5387



6.6215, 0.3262, 0.3482



18.9026, 0.4427, 0.4867



0.2594, 0.4299, 0.4968

Inverse Universe

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



3.5122, 0.1642, 0.0933



4.4281, 0.1526, 0.0692



3.7819, 0.1974, 0.0958



5.7436, 0.2989, 0.3091



2.2371, 0.1533, 0.0719



0.0502, 0.1666, 0.1198

Previews

White Background



This preview shows how the Yxy color 22.4862, 0.4342, 0.4816 looks on a white background.

Color Contrast Check

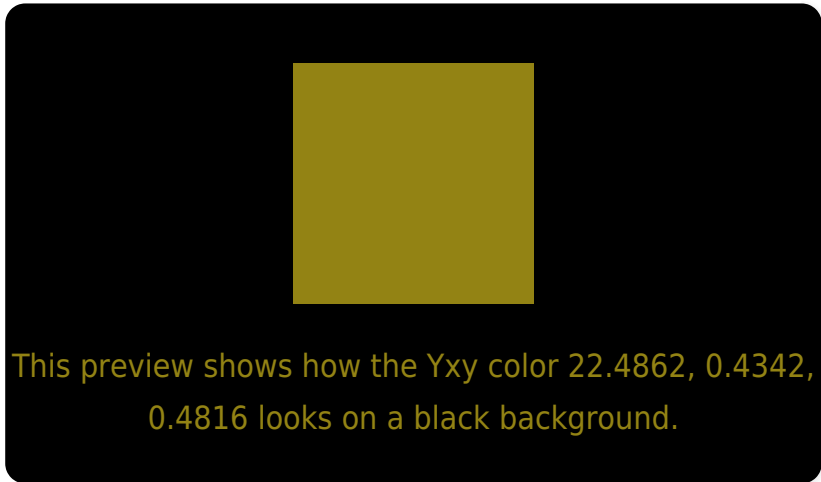
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

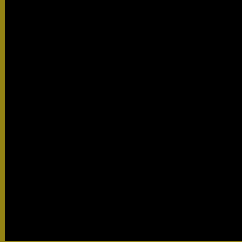
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4862, 0.4342, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 22.4862, 0.4342, 0.4816.



This preview shows how white text looks on a background with the Yxy color 22.4862, 0.4342, 0.4816.

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

22.4862, 0.4342, 0.4816

Protanopia

22.4862, 0.4342, 0.4816

Deuteranopia

22.4848, 0.4632, 0.4548



Tritanopia

22.4278, 0.3418, 0.3144

Trichromacy



Original Color

22.4862, 0.4342, 0.4816

Protanomaly

22.4862, 0.4342, 0.4816

Deuteranomaly

22.5097, 0.4517, 0.4655

Tritanomaly

22.0019, 0.3859, 0.3862

Monochromacy



Original Color

22.4862, 0.4342, 0.4816

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.4991, 0.3663, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4862, 0.4342, 0.4816 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(147, 131, 20)` looks like.

```
.text, #text, p{  
    color:rgb(147, 131, 20)  
}
```

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(147, 131, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 131, 20) }
```

Border

The CSS property to change the border of an element to Yxy 22.4862, 0.4342, 0.4816 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(147, 131, 20) }
```

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

```
.border{ border-color:rgb(147, 131, 20) }
```

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

Here you see how a box with a 4 pixel rgb(147, 131, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 131, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 131, 20);  
box-shadow:4px 4px 4px 4px rgb(147, 131,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4862, 0.4342, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 131, 20) }
```

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

```
.background{ background-color: rgb(147,  
131, 20) }
```

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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