

Converting Colors

$Y_{xy}(22.0570, 0.3838, 0.4493)$

Have a look what the booklet for
Yxy(22.0570, 0.3838, 0.4493)
contains.

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Color

Yxy(22.0622, 0.3834, 0.4486)

Conversions

Conversions Part 1

Format	Color
Hex	848541
RGB	132, 133, 65
RGB Percent	52%, 52%, 25%
CMY	0.4824, 0.4784, 0.7452
CMYK	0.01, 0.00, 0.51, 0.48
HSL	61°, 34%, 39%
HSV	61°, 51%, 52%
XYZ	18.8557, 22.0622, 8.2623
YIQ	124.9490, 21.2320, -21.3600

Conversions

Conversions Part 2

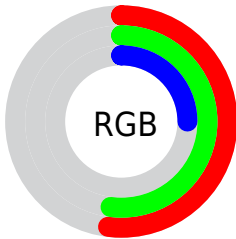
Format	Color
RYB	65, 133, 66
Decimal	8684865
CIELab	54.09, -10.51, 36.18
CIELCh	54, 37.674, 106.204
Yxy	22.0622, 0.3834, 0.4486
Android (android.graphics.Color)	4286874945 (0xFF848541)
YUV	124.9490, -29.5549, 6.1837
Hunter-Lab	46.9704, -10.5417, 22.4500

Details

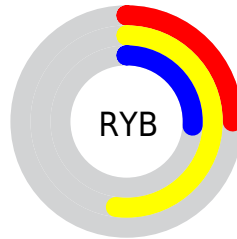
The Yxy color $22.0622, 0.3834, 0.4486$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $6.6301, 0.2201, 0.1743$, and the grayscale version is $20.5855, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9204, 0.3701, 0.4220$, and $8.0866, 0.4009, 0.4928$ is the 20% darker color. If you saturate the color by 10%, you get $21.9108, 0.3944, 0.4676$, and if you desaturate by 10%, it is $22.2519, 0.3707, 0.4270$.

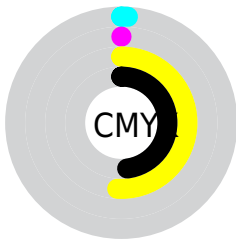
Distribution



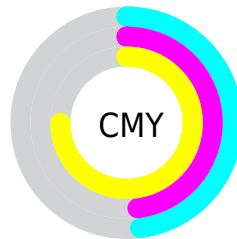
- Red (52%)
- Green (52%)
- Blue (25%)



- Red (25%)
- Yellow (52%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (51%)
- Black (48%)





- Cyan (48%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0622, 0.3834, 0.4486 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 22.0622, 0.3834, 0.4486 by changing the saturation by 10% instead.


 22.0622, 0.3834,
0.4486


 22.0622, 0.3834,
0.4486


262.8709, 0.3462,
0.3814


 13.9026, 0.3923,
0.4674


 46.8488, 0.3698,
0.4225


 8.0530, 0.4027,
0.4921


 64.2446, 0.3647,
0.4132


 4.1289, 0.4192,
0.5324

 85.4879, 0.3604,
0.4055

 1.7459, 0.4245,
0.5755

 110.9631, 0.3567,
0.3991

 0.4531, 0.2775,
0.7225

 141.0546, 0.3535,
0.3936

 0.0000, 0.0000,
0.0000

176.1468, 0.3507,

0.3890

216.6241, 0.3483,
0.3849

■ 22.0622, 0.3834,
0.4486

■ 22.0622, 0.3834,
0.4486

■ 21.9108, 0.3944,
0.4676

■ 22.2519, 0.3707,
0.4270

■ 21.7922, 0.4035,
0.4832

■ 22.4793, 0.3570,
0.4037

■ 21.7043, 0.4101,
0.4949

■ 22.7476, 0.3427,
0.3796

■ 21.6439, 0.4143,
0.5026

■ 23.0586, 0.3284,
0.3553

■ 21.6038, 0.4168,
0.5073

■ 23.4142, 0.3143,
0.3317

■ 23.8163, 0.3008,
0.3090

■ 24.2664, 0.2881,
0.2877

■ 24.7661, 0.2762,
0.2679

■ 25.3170, 0.2653,
0.2496

Harmonies

Analogous

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



22.0622, 0.4312, 0.4155



22.0622, 0.3834, 0.4486



22.0622, 0.3195, 0.4461

Triad

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



22.0622, 0.3834, 0.4486



22.0622, 0.1945, 0.2683



22.0622, 0.3630, 0.2710

Complementary

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



22.0622, 0.3834, 0.4486



6.6301, 0.2201, 0.1743

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.



22.0622, 0.2940, 0.2388



22.0622, 0.3834, 0.4486



22.0622, 0.2031, 0.2339

Square

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



22.0622, 0.3834, 0.4486



22.0622, 0.2128, 0.3282



22.0622, 0.2371, 0.2251



22.0622, 0.4219, 0.3161

Rectangle

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



22.0622, 0.3834, 0.4486



22.0622, 0.2767, 0.4187



22.0622, 0.2371, 0.2251



22.0622, 0.3398, 0.2585

Sweetspot

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



22.0632, 0.3834, 0.4486



41.0451, 0.3344, 0.3655



9.1468, 0.4508, 0.3294



9.2247, 0.3370, 0.3698



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.0632, 0.3834, 0.4486



39.2036, 0.3957, 0.4697



19.8108, 0.3420, 0.4677



5.4196, 0.3255, 0.3505



20.5758, 0.4168, 0.5073



0.0716, 0.4182, 0.5062

Inverse Universe

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



6.6301, 0.2201, 0.1743



8.3946, 0.1976, 0.1371



8.1242, 0.2648, 0.1909



4.5476, 0.2994, 0.3066



1.6256, 0.1507, 0.0604



0.0058, 0.1539, 0.0622

Previews

White Background



This preview shows how the Yxy color 22.0622, 0.3834, 0.4486 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 22.0622, 0.3834, 0.4486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

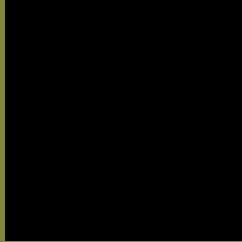
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0622, 0.3834, 0.4486

Background



This preview shows how black text looks on a background with the Yxy color 22.0622, 0.3834, 0.4486.



This preview shows how white text looks on a background with the Yxy color 22.0622, 0.3834, 0.4486.

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

22.0622, 0.3834, 0.4486

Protanopia

21.9103, 0.4018, 0.4379

Deuteranopia

21.9421, 0.4249, 0.4163



Tritanopia

21.9055, 0.3183, 0.3119

Trichromacy



Original Color

22.0622, 0.3834, 0.4486

Protanomaly

21.8244, 0.3958, 0.4417

Deuteranomaly

21.9617, 0.4094, 0.4288

Tritanomaly

21.7984, 0.3428, 0.3612

Monochromacy



Original Color

22.0622, 0.3834, 0.4486

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0068, 0.3408, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0622, 0.3834, 0.4486 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(132, 133, 65)` looks like.

```
.text, #text, p{  
    color:rgb(132, 133, 65)  
}
```

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(132, 133, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 133, 65) }
```

Border

The CSS property to change the border of an element to Yxy 22.0622, 0.3834, 0.4486 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(132, 133, 65) }
```

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

```
.border{ border-color:rgb(132, 133, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 133, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 133, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 133, 65);  
box-shadow:4px 4px 4px 4px rgb(132, 133,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0622, 0.3834, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 133, 65) }
```

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

```
.background{ background-color: rgb(132,  
133, 65) }
```

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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