

Converting Colors

$Y_{xy}(11.9485, 0.3989, 0.4510)$

Have a look what the booklet for
Yxy(11.9485, 0.3989, 0.4510)
contains.

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Color

Yxy(11.8456, 0.3996, 0.4510)

Conversions

Conversions Part 1

Format	Color
Hex	68622A
RGB	104, 98, 42
RGB Percent	41%, 38%, 16%
CMY	0.5921, 0.6157, 0.8353
CMYK	0.00, 0.06, 0.60, 0.59
HSL	54°, 42%, 29%
HSV	54°, 60%, 41%
XYZ	10.4956, 11.8456, 3.9240
YIQ	93.4100, 21.5520, -16.1440

Conversions

Conversions Part 2

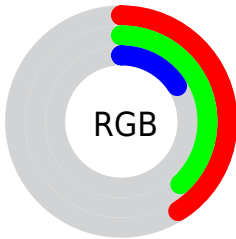
Format	Color
R_{YB}	49, 104, 42
Decimal	6840874
CIE _{Lab}	40.97, -5.68, 32.16
CIE _{LCh}	41, 32.659, 100.015
Yxy	11.8456, 0.3996, 0.4510
Android (android.graphics.Color)	4285030954 (0xFF68622A)
YUV	93.4100, -25.3451, 9.2874
Hunter-Lab	34.4174, -5.7971, 17.3324

Details

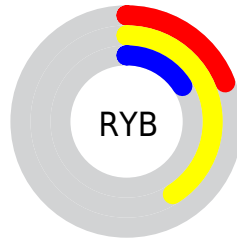
The Yxy color **11.8456, 0.3996, 0.4510** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.6073, 0.2081, 0.1664**, and the grayscale version is **11.1048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0861, 0.3800, 0.4196**, and **3.2682, 0.4277, 0.4986** is the 20% darker color. If you saturate the color by 10%, you get **11.5935, 0.4117, 0.4662**, and if you desaturate by 10%, it is **12.1205, 0.3859, 0.4330**.

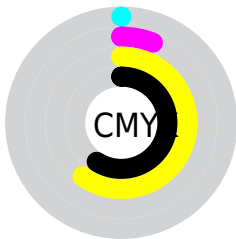
Distribution



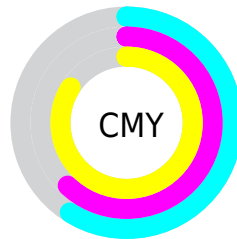
- Red (41%)
- Green (38%)
- Blue (16%)



- Red (19%)
- Yellow (41%)
- Blue (16%)



- Cyan (0%)
- Magenta (6%)
- Yellow (60%)
- Black (59%)




- Cyan (59%)
- Magenta (62%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8456, 0.3996, 0.4510 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 11.8456, 0.3996, 0.4510 by changing the saturation by 10% instead.


 11.8456, 0.3996,
0.4510


 11.8456, 0.3996,
0.4510


 203.3804, 0.3491,
0.3774


 6.6386, 0.4134,
0.4736


 29.2136, 0.3798,
0.4209

 3.2371, 0.4397,
0.5158

 42.1434, 0.3728,
0.4106

 1.2568, 0.4499,
0.5501

 58.4163, 0.3670,
0.4023

 0.1073, 0.0000,
1.0000

 78.4166, 0.3622,
0.3955

 0.0000, 0.0000,
0.0000

 102.5288, 0.3581,
0.3898

 131.1372, 0.3547,

0.3850

164.6263, 0.3517,
0.3809

■ 11.8456, 0.3996,
0.4510

■ 11.8456, 0.3996,
0.4510

■ 11.5935, 0.4117,
0.4662

■ 12.1205, 0.3859,
0.4330

■ 11.3611, 0.4218,
0.4779

■ 12.4179, 0.3713,
0.4131

■ 11.1471, 0.4296,
0.4857

■ 12.7397, 0.3561,
0.3919

■ 10.9438, 0.4361,
0.4915

■ 13.0870, 0.3410,
0.3704

■ 10.9361, 0.4364,
0.4917

■ 13.4609, 0.3263,
0.3490

■ 13.8623, 0.3122,
0.3282

■ 14.2923, 0.2989,
0.3085

■ 14.7518, 0.2866,
0.2899

■ 15.2416, 0.2753,
0.2726

Harmonies

Analogous

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



11.8456, 0.4451, 0.4098



11.8456, 0.3996, 0.4510



11.8456, 0.3338, 0.4592

Triad

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



11.8456, 0.3996, 0.4510



11.8456, 0.1894, 0.2750



11.8456, 0.3509, 0.2593

Complementary

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



11.8456, 0.3996, 0.4510



3.6073, 0.2081, 0.1664

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.



11.8456, 0.2784, 0.2290



11.8456, 0.3996, 0.4510



11.8456, 0.1928, 0.2332

Square

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



11.8456, 0.3996, 0.4510



11.8456, 0.2142, 0.3433



11.8456, 0.2230, 0.2191



11.8456, 0.4185, 0.3044

Rectangle

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



11.8456, 0.3996, 0.4510



11.8456, 0.2876, 0.4368



11.8456, 0.2230, 0.2191



11.8456, 0.3259, 0.2472

Sweetspot

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



11.8462, 0.3996, 0.4510



23.0251, 0.3394, 0.3680



4.8151, 0.4635, 0.3154



5.5831, 0.3427, 0.3728



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.8462, 0.3996, 0.4510



20.1512, 0.4165, 0.4718



11.7414, 0.3536, 0.4821



3.2249, 0.3252, 0.3475



13.4530, 0.4366, 0.4915



69.4601, 0.4377, 0.4906

Inverse Universe

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



3.6073, 0.2081, 0.1664



4.2178, 0.1831, 0.1245



3.8425, 0.2446, 0.1669



2.8025, 0.2999, 0.3098



1.4743, 0.1529, 0.0704



7.0582, 0.1515, 0.0653

Previews

White Background



This preview shows how the Yxy color 11.8456, 0.3996, 0.4510 looks on a white background.

Color Contrast Check

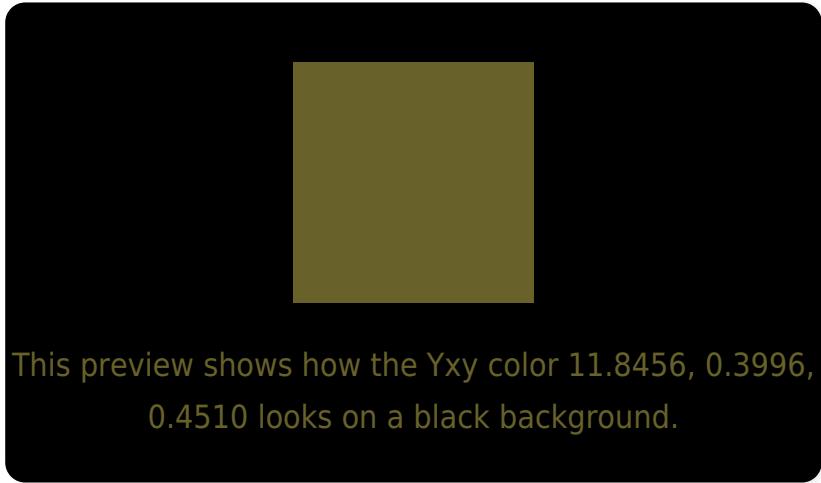
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

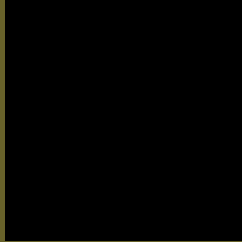
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8456, 0.3996, 0.4510

Background



This preview shows how black text looks on a background with the Yxy color 11.8456, 0.3996, 0.4510.



This preview shows how white text looks on a background with the Yxy color 11.8456, 0.3996, 0.4510.

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

11.8456, 0.3996, 0.4510

Protanopia

11.8424, 0.4058, 0.4468

Deuteranopia

11.8292, 0.4313, 0.4242



Tritanopia

11.8064, 0.3292, 0.3138

Trichromacy



Original Color

11.8456, 0.3996, 0.4510

Protanomaly

11.7807, 0.4041, 0.4476

Deuteranomaly

11.7572, 0.4200, 0.4340

Tritanomaly

11.6813, 0.3577, 0.3652

Monochromacy



Original Color

11.8456, 0.3996, 0.4510

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2202, 0.3468, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8456, 0.3996, 0.4510 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(104, 98, 42)` looks like.

```
.text, #text, p{  
    color:rgb(104, 98, 42)  
}
```

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(104, 98, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 98, 42) }
```

Border

The CSS property to change the border of an element to Yxy 11.8456, 0.3996, 0.4510 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(104, 98, 42) }
```

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

```
.border{ border-color:rgb(104, 98, 42) }
```

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

Here you see how a box with a 4 pixel rgb(104, 98, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 98, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 98, 42);  
box-shadow:4px 4px 4px 4px rgb(104, 98,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8456, 0.3996, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 98, 42) }
```

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

```
.background{ background-color: rgb(104, 98,  
42) }
```

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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