

Converting Colors

$Y_{xy}(10.7909, 0.3961, 0.4455)$

Have a look what the booklet for
Yxy(10.7909, 0.3961, 0.4455)
contains.

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Color

Yxy(10.8325, 0.3946, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	635E2B
RGB	99, 94, 43
RGB Percent	39%, 37%, 17%
CMY	0.6118, 0.6314, 0.8314
CMYK	0.00, 0.05, 0.57, 0.61
HSL	55°, 39%, 28%
HSV	55°, 57%, 39%
XYZ	9.5841, 10.8325, 3.8715
YIQ	89.6810, 19.3510, -14.8010

Conversions

Conversions Part 2

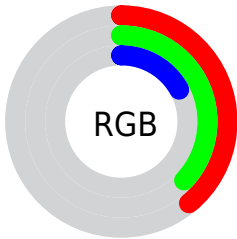
Format	Color
R_{YB}	48, 99, 43
Decimal	6512171
CIE Lab	39.30, -5.62, 29.57
CIE LCh	39, 30.103, 100.769
Yxy	10.8325, 0.3946, 0.4460
Android (android.graphics.Color)	4284702251 (0xFF635E2B)
YUV	89.6810, -23.0137, 8.1728
Hunter-Lab	32.9128, -5.6187, 16.0647

Details

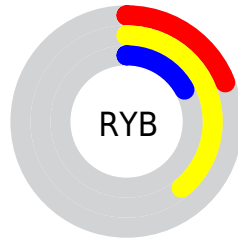
The Yxy color **10.8325, 0.3946, 0.4460** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.5281, 0.2143, 0.1756**, and the grayscale version is **10.1986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2640, 0.3754, 0.4163**, and **2.8177, 0.4282, 0.4982** is the 20% darker color. If you saturate the color by 10%, you get **10.6129, 0.4070, 0.4622**, and if you desaturate by 10%, it is **11.0726, 0.3808, 0.4273**.

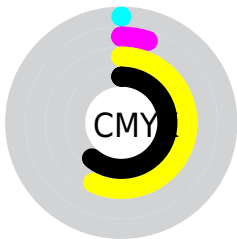
Distribution



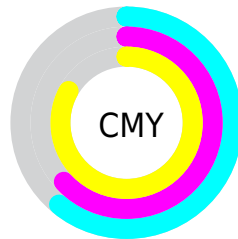
- Red (39%)
- Green (37%)
- Blue (17%)



- Red (19%)
- Yellow (39%)
- Blue (17%)



- Cyan (0%)
- Magenta (5%)
- Yellow (57%)
- Black (61%)




- Cyan (61%)
- Magenta (63%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8325, 0.3946, 0.4460 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 10.8325, 0.3946, 0.4460 by changing the saturation by 10% instead.


 10.8325, 0.3946,
0.4460


 10.8325, 0.3946,
0.4460


196.5148, 0.3462,
0.3742


 5.9543, 0.4084,
0.4691

 27.3500, 0.3753,
0.4161


 2.8173, 0.4374,
0.5153


 39.7581, 0.3685,
0.4061

 1.0371, 0.4478,
0.5522

 55.4450, 0.3630,
0.3980

 0.0000, 0.0000,
0.0000

 74.7951, 0.3584,
0.3915

 98.1927, 0.3546,
0.3861

 126.0222, 0.3514,

0.3815

158.6681, 0.3486,
0.3776

■ 10.8325, 0.3946,
0.4460

■ 10.8325, 0.3946,
0.4460

■ 10.6129, 0.4070,
0.4622

■ 11.0726, 0.3808,
0.4273

■ 10.4108, 0.4176,
0.4752

■ 11.3328, 0.3661,
0.4068

■ 10.2255, 0.4260,
0.4844

■ 11.6147, 0.3511,
0.3855

■ 10.0524, 0.4325,
0.4908

■ 11.9193, 0.3363,
0.3639

■ 9.9935, 0.4348,
0.4929

■ 12.2476, 0.3218,
0.3426

■ 12.6003, 0.3081,
0.3220

■ 12.9784, 0.2952,
0.3026

■ 13.3825, 0.2832,
0.2843

■ 13.8136, 0.2722,
0.2674

Harmonies

Analogous

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



10.8325, 0.4383, 0.4081



10.8325, 0.3946, 0.4460



10.8325, 0.3316, 0.4517

Triad

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



10.8325, 0.3946, 0.4460



10.8325, 0.1945, 0.2767



10.8325, 0.3509, 0.2633

Complementary

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



10.8325, 0.3946, 0.4460



3.5281, 0.2143, 0.1756

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.



10.8325, 0.2819, 0.2338



10.8325, 0.3946, 0.4460



10.8325, 0.1983, 0.2370

Square

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



10.8325, 0.3946, 0.4460



10.8325, 0.2179, 0.3411



10.8325, 0.2281, 0.2238



10.8325, 0.4145, 0.3070

Rectangle

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



10.8325, 0.3946, 0.4460



10.8325, 0.2876, 0.4295



10.8325, 0.2281, 0.2238



10.8325, 0.3272, 0.2516

Sweetspot

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



10.8330, 0.3946, 0.4460



20.3988, 0.3376, 0.3659



4.5989, 0.4503, 0.3159



4.8330, 0.3394, 0.3685



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.8330, 0.3946, 0.4460



18.0869, 0.4108, 0.4670



10.6586, 0.3521, 0.4735



2.9336, 0.3251, 0.3474



12.9993, 0.4351, 0.4927



68.7865, 0.4361, 0.4919

Inverse Universe

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



3.5281, 0.2143, 0.1756



4.1702, 0.1901, 0.1355



3.7664, 0.2494, 0.1765



2.5480, 0.3000, 0.3099



1.3915, 0.1527, 0.0698



6.8235, 0.1513, 0.0647

Previews

White Background



This preview shows how the Yxy color 10.8325, 0.3946, 0.4460 looks on a white background.

Color Contrast Check

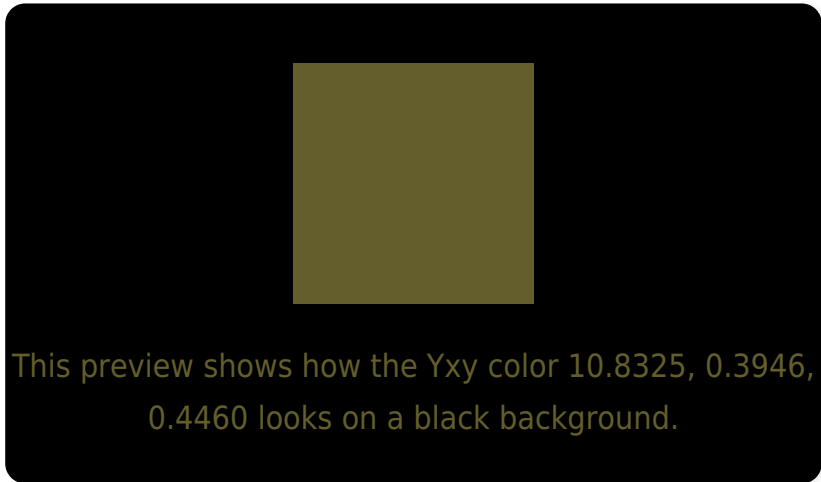
Large Text (above 18pt) WCAG AA ✓ Pass

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

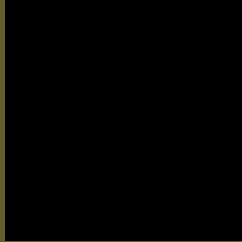
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8325, 0.3946, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 10.8325, 0.3946, 0.4460.



This preview shows how white text looks on a background with the Yxy color 10.8325, 0.3946, 0.4460.

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

10.8325, 0.3946, 0.4460

Protanopia

10.8867, 0.4027, 0.4409

Deuteranopia

10.7463, 0.4254, 0.4193



Tritanopia

10.7487, 0.3282, 0.3132

Trichromacy



Original Color

10.8325, 0.3946, 0.4460

Protanomaly

10.8279, 0.4010, 0.4417

Deuteranomaly

10.7454, 0.4155, 0.4286

Tritanomaly

10.6589, 0.3546, 0.3620

Monochromacy



Original Color

10.8325, 0.3946, 0.4460

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2904, 0.3434, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8325, 0.3946, 0.4460 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(99, 94, 43)` looks like.

```
.text, #text, p{  
    color:rgb(99, 94, 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(99, 94, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 94, 43) }
```

Border

The CSS property to change the border of an element to Yxy 10.8325, 0.3946, 0.4460 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(99, 94, 43) }
```

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

```
.border{ border-color:rgb(99, 94, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 94, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 94, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 94, 43);  
box-shadow:4px 4px 4px 4px rgb(99, 94, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8325, 0.3946, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 94, 43) }
```

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

```
.background{ background-color: rgb(99, 94,  
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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