

Converting Colors

$Y_{xy}(12.7257, 0.4058, 0.4490)$

Have a look what the booklet for
Yxy(12.7257, 0.4058, 0.4490)
contains.

Yxy(12.7968, 0.4047, 0.4496)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7968, 0.4047, 0.4496)

Conversions

Conversions Part 1

Format	Color
Hex	6E652B
RGB	110, 101, 43
RGB Percent	43%, 40%, 17%
CMY	0.5687, 0.6039, 0.8314
CMYK	0.00, 0.08, 0.61, 0.57
HSL	52°, 44%, 30%
HSV	52°, 61%, 43%
XYZ	11.5188, 12.7968, 4.1470
YIQ	97.0790, 23.9820, -16.1300

Conversions

Conversions Part 2

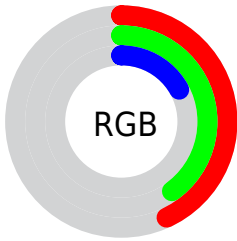
Format	Color
RYB	53, 110, 43
Decimal	7234859
CIELab	42.46, -4.53, 33.49
CIElCh	42, 33.799, 97.700
Yxy	12.7968, 0.4047, 0.4496
Android (android.graphics.Color)	4285424939 (0xFF6E652B)
YUV	97.0790, -26.6609, 11.3317
Hunter-Lab	35.7726, -5.1248, 18.1675

Details

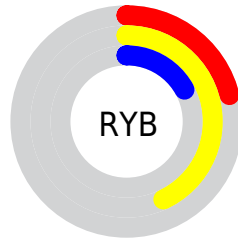
The Yxy color **12.7968, 0.4047, 0.4496** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.0919, 0.2064, 0.1677**, and the grayscale version is **12.0366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9983, 0.3834, 0.4211**, and **3.6930, 0.4326, 0.4947** is the 20% darker color. If you saturate the color by 10%, you get **12.4436, 0.4176, 0.4639**, and if you desaturate by 10%, it is **13.1782, 0.3902, 0.4324**.

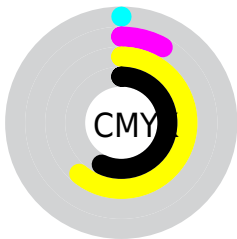
Distribution



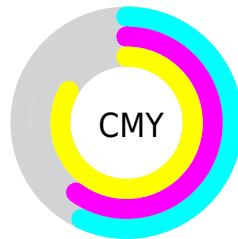
- Red (43%)
- Green (40%)
- Blue (17%)



- Red (21%)
- Yellow (43%)
- Blue (17%)



- Cyan (0%)
- Magenta (8%)
- Yellow (61%)
- Black (57%)




- Cyan (57%)
- Magenta (60%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7968, 0.4047, 0.4496 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 12.7968, 0.4047, 0.4496 by changing the saturation by 10% instead.


 12.7968, 0.4047,
0.4496


 12.7968, 0.4047,
0.4496


 209.6113, 0.3517,
0.3780

 7.2888, 0.4190,
0.4708

 30.9382, 0.3841,
0.4208


 3.6433, 0.4429,
0.5064

 44.3404, 0.3767,
0.4108

 1.4761, 0.4592,
0.5408

 61.1428, 0.3706,
0.4027

 0.2718, 0.3522,
0.6478

 81.7298, 0.3655,
0.3960

 0.0000, 0.0000,
0.0000

 106.4857, 0.3613,
0.3904

 135.7950, 0.3576,

0.3856

170.0421, 0.3545,
0.3816

■ 12.7968, 0.4047,
0.4496

■ 12.7968, 0.4047,
0.4496

■ 12.4436, 0.4176,
0.4639

■ 13.1782, 0.3902,
0.4324

■ 12.1148, 0.4285,
0.4747

■ 13.5875, 0.3749,
0.4132

■ 11.8090, 0.4370,
0.4814

■ 14.0268, 0.3591,
0.3927

■ 11.5431, 0.4438,
0.4858

■ 14.4975, 0.3435,
0.3717

■ 15.0008, 0.3284,
0.3510

■ 15.5380, 0.3140,
0.3308

■ 16.1101, 0.3005,
0.3116

■ 16.7182, 0.2881,
0.2935

■ 17.3633, 0.2767,
0.2768

Harmonies

Analogous

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



12.7968, 0.4484, 0.4064



12.7968, 0.4047, 0.4496



12.7968, 0.3393, 0.4615

Triad

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



12.7968, 0.4047, 0.4496



12.7968, 0.1894, 0.2790



12.7968, 0.3453, 0.2558

Complementary

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



12.7968, 0.4047, 0.4496



4.0919, 0.2064, 0.1677

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.



12.7968, 0.2730, 0.2268



12.7968, 0.4047, 0.4496



12.7968, 0.1907, 0.2346

Square

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



12.7968, 0.4047, 0.4496



12.7968, 0.2165, 0.3494



12.7968, 0.2190, 0.2184



12.7968, 0.4150, 0.3002

Rectangle

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



12.7968, 0.4047, 0.4496



12.7968, 0.2925, 0.4416



12.7968, 0.2190, 0.2184



12.7968, 0.3202, 0.2441

Sweetspot

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



12.7974, 0.4047, 0.4496



25.6766, 0.3398, 0.3666



5.2984, 0.4611, 0.3078



5.9299, 0.3432, 0.3714



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.7974, 0.4047, 0.4496



21.6207, 0.4223, 0.4687



13.3276, 0.3591, 0.4836



3.8437, 0.3256, 0.3471



13.8401, 0.4440, 0.4856



68.0312, 0.4456, 0.4844

Inverse Universe

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



4.0919, 0.2064, 0.1677



4.9032, 0.1827, 0.1277



4.0258, 0.2363, 0.1598



3.3660, 0.2996, 0.3103



1.7249, 0.1540, 0.0745



7.8332, 0.1524, 0.0687

Previews

White Background



This preview shows how the Yxy color 12.7968, 0.4047, 0.4496 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



This preview shows how the Yxy color 12.7968, 0.4047, 0.4496 looks on a 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 12.7968, 0.4047, 0.4496

Background



This preview shows how black text looks on a background with the Yxy color 12.7968, 0.4047, 0.4496.



This preview shows how white text looks on a background with the Yxy color 12.7968, 0.4047, 0.4496.

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

12.7968, 0.4047, 0.4496

Protanopia

12.7335, 0.4091, 0.4462

Deuteranopia

12.6590, 0.4324, 0.4250



Tritanopia

12.7886, 0.3334, 0.3144

Trichromacy



Original Color

12.7968, 0.4047, 0.4496

Protanomaly

12.6683, 0.4075, 0.4470

Deuteranomaly

12.6532, 0.4230, 0.4338

Tritanomaly

12.6542, 0.3613, 0.3637

Monochromacy



Original Color

12.7968, 0.4047, 0.4496

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0960, 0.3491, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7968, 0.4047, 0.4496 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(110, 101, 43)` looks like.

```
.text, #text, p{  
    color:rgb(110, 101, 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(110, 101, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 101, 43) }
```

Border

The CSS property to change the border of an element to Yxy 12.7968, 0.4047, 0.4496 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(110, 101, 43) }
```

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

```
.border{ border-color:rgb(110, 101, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 101, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 101, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 101, 43);  
box-shadow:4px 4px 4px 4px rgb(110, 101,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7968, 0.4047, 0.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 101, 43) }
```

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

```
.background{ background-color: rgb(110,  
101, 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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