

Converting Colors

$Y_{xy}(12.4435, 0.3827, 0.4411)$

Have a look what the booklet for
Yxy(12.4435, 0.3827, 0.4411)
contains.

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Color

Yxy(12.3712, 0.3825, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	666533
RGB	102, 101, 51
RGB Percent	40%, 40%, 20%
CMY	0.5999, 0.6039, 0.8000
CMYK	0.00, 0.01, 0.50, 0.60
HSL	59°, 33%, 30%
HSV	59°, 50%, 40%
XYZ	10.7326, 12.3712, 4.9552
YIQ	95.5990, 16.6460, -15.3380

Conversions

Conversions Part 2

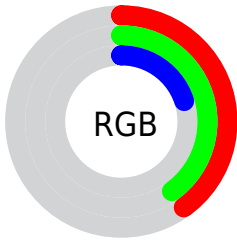
Format	Color
RYB	52, 102, 51
Decimal	6710579
CIELab	41.80, -7.47, 28.25
CIELCh	42, 29.220, 104.806
Yxy	12.3712, 0.3825, 0.4409
Android (android.graphics.Color)	4284900659 (0xFF666533)
YUV	95.5990, -21.9873, 5.6137
Hunter-Lab	35.1727, -7.0850, 16.2680

Details

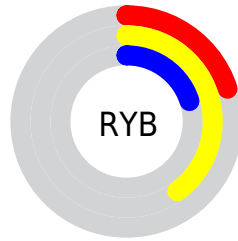
The Yxy color **12.3712, 0.3825, 0.4409** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.1227, 0.2247, 0.1855**, and the grayscale version is **11.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2273, 0.3659, 0.4126**, and **3.4062, 0.4095, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **12.2517, 0.3944, 0.4596**, and if you desaturate by 10%, it is **12.5117, 0.3693, 0.4199**.

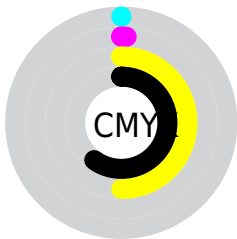
Distribution



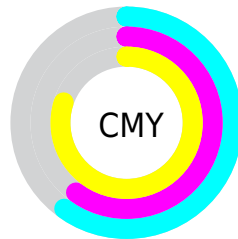
- Red (40%)
- Green (40%)
- Blue (20%)



- Red (20%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (1%)
- Yellow (50%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3712, 0.3825, 0.4409 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 12.3712, 0.3825, 0.4409 by changing the saturation by 10% instead.

12.3712, 0.3825,
0.4409

12.3712, 0.3825,
0.4409

206.8475, 0.3420,
0.3727

6.9970, 0.3939,
0.4630

30.1694, 0.3665,
0.4125

3.4602, 0.4099,
0.4964

43.3622, 0.3608,
0.4030

1.3765, 0.4393,
0.5607

59.9300, 0.3562,
0.3954

0.1993, 0.0345,
0.9655

80.2571, 0.3524,
0.3892

0.0000, 0.0000,
0.0000

104.7281, 0.3491,
0.3840

133.7272, 0.3464,

0.3797

167.6388, 0.3440,
0.3760

■ 12.3712, 0.3825,
0.4409

■ 12.3712, 0.3825,
0.4409

■ 12.2517, 0.3944,
0.4596

■ 12.5117, 0.3693,
0.4199

■ 12.1503, 0.4045,
0.4754

■ 12.6726, 0.3553,
0.3975

■ 12.0659, 0.4125,
0.4876

■ 12.8557, 0.3409,
0.3745

■ 11.9969, 0.4181,
0.4961

■ 13.0619, 0.3266,
0.3515

■ 11.9352, 0.4226,
0.5026

■ 13.2923, 0.3127,
0.3290

■ 11.9352, 0.4226,
0.5026

■ 13.5476, 0.2995,
0.3075

■ 13.8289, 0.2870,
0.2873

■ 14.1368, 0.2754,
0.2685

■ 14.4722, 0.2648,
0.2511

Harmonies

Analogous

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



12.3712, 0.4262, 0.4095



12.3712, 0.3825, 0.4409



12.3712, 0.3226, 0.4396

Triad

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



12.3712, 0.3825, 0.4409



12.3712, 0.2009, 0.2743



12.3712, 0.3572, 0.2724

Complementary

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



12.3712, 0.3825, 0.4409



4.1227, 0.2247, 0.1855

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.



12.3712, 0.2924, 0.2424



12.3712, 0.3825, 0.4409



12.3712, 0.2078, 0.2401

Square

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



12.3712, 0.3825, 0.4409



12.3712, 0.2197, 0.3317



12.3712, 0.2393, 0.2304



12.3712, 0.4133, 0.3151

Rectangle

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



12.3712, 0.3825, 0.4409



12.3712, 0.2818, 0.4152



12.3712, 0.2393, 0.2304



12.3712, 0.3353, 0.2607

Sweetspot

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



12.3718, 0.3825, 0.4409



22.6969, 0.3343, 0.3639



5.4489, 0.4359, 0.3253



5.3420, 0.3365, 0.3673



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



12.3718, 0.3825, 0.4409



21.4453, 0.3963, 0.4626



11.3745, 0.3437, 0.4593



3.2590, 0.3251, 0.3490



15.3155, 0.4227, 0.5026



79.7171, 0.4229, 0.5024

Inverse Universe

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



4.1227, 0.2247, 0.1855



5.1383, 0.2017, 0.1475



4.8167, 0.2646, 0.1970



2.7717, 0.2999, 0.3082



1.2820, 0.1506, 0.0622



6.5313, 0.1503, 0.0609

Previews

White Background



This preview shows how the Yxy color 12.3712, 0.3825, 0.4409 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 12.3712, 0.3825, 0.4409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

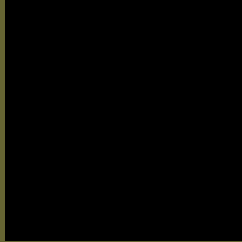
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3712, 0.3825, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 12.3712, 0.3825, 0.4409.



This preview shows how white text looks on a background with the Yxy color 12.3712, 0.3825, 0.4409.

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

12.3712, 0.3825, 0.4409

Protanopia

12.4052, 0.3972, 0.4343

Deuteranopia

12.3274, 0.4184, 0.4117



Tritanopia

12.2895, 0.3196, 0.3117

Trichromacy



Original Color

12.3712, 0.3825, 0.4409

Protanomaly

12.4088, 0.3912, 0.4382

Deuteranomaly

12.3747, 0.4050, 0.4235

Tritanomaly

12.1927, 0.3440, 0.3584

Monochromacy



Original Color

12.3712, 0.3825, 0.4409

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9112, 0.3383, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3712, 0.3825, 0.4409 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(102, 101, 51)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 51)  
}
```

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(102, 101, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 51) }
```

Border

The CSS property to change the border of an element to Yxy 12.3712, 0.3825, 0.4409 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(102, 101, 51) }
```

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

```
.border{ border-color:rgb(102, 101, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 101, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 51);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3712, 0.3825, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 51) }
```

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

```
.background{ background-color: rgb(102,  
101, 51) }
```

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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