

Converting Colors

$Y_{xy}(12.8352, 0.3916, 0.4786)$

Have a look what the booklet for
Yxy(12.8352, 0.3916, 0.4786)
contains.

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Color

Yxy(12.8771, 0.3904, 0.4787)

Conversions

Conversions Part 1

Format	Color
Hex	636923
RGB	99, 105, 35
RGB Percent	39%, 41%, 14%
CMY	0.6117, 0.5882, 0.8628
CMYK	0.06, 0.00, 0.67, 0.59
HSL	65°, 50%, 27%
HSV	65°, 67%, 41%
XYZ	10.5018, 12.8771, 3.5212
YIQ	95.2260, 18.8940, -23.0420

Conversions

Conversions Part 2

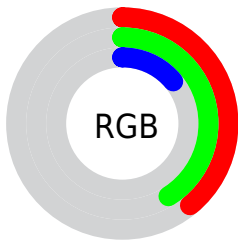
Format	Color
R_{YB}	35, 105, 41
Decimal	6514979
CIE _{Lab}	42.58, -12.56, 37.28
CIE _{LCh}	43, 39.336, 108.624
Yxy	12.8771, 0.3904, 0.4787
Android (android.graphics.Color)	4284705059 (0xFF636923)
YUV	95.2260, -29.6914, 3.3098
Hunter-Lab	35.8847, -10.5593, 19.3014

Details

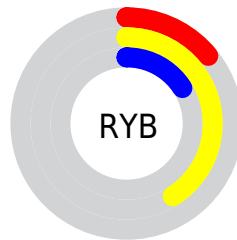
The Yxy color **12.8771, 0.3904, 0.4787** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.6922, 0.1990, 0.1318**, and the grayscale version is **11.5707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0769, 0.3757, 0.4423**, and **3.7042, 0.3985, 0.5218** is the 20% darker color. If you saturate the color by 10%, you get **12.7742, 0.3972, 0.4940**, and if you desaturate by 10%, it is **13.0005, 0.3816, 0.4601**.

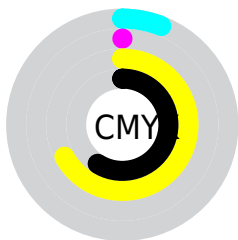
Distribution



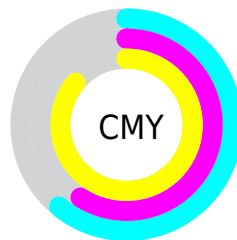
- Red (39%)
- Green (41%)
- Blue (14%)



- Red (14%)
- Yellow (41%)
- Blue (16%)



- Cyan (6%)
- Magenta (0%)
- Yellow (67%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8771, 0.3904, 0.4787 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 12.8771, 0.3904, 0.4787 by changing the saturation by 10% instead.

■ 12.8771, 0.3904,
0.4787

■ 12.8771, 0.3904,
0.4787

■ 210.1285, 0.3478,
0.3884

■ 7.3440, 0.3996,
0.5062

■ 31.0828, 0.3749,
0.4418

■ 3.6781, 0.4213,
0.5611

■ 44.5242, 0.3690,
0.4292

■ 1.4952, 0.4077,
0.5923

■ 61.3704, 0.3639,
0.4190

■ 0.2853, 0.0000,
1.0000

■ 82.0059, 0.3597,
0.4106

■ 0.0000, 0.0000,
0.0000

■ 106.8151, 0.3561,
0.4037

■ 136.1823, 0.3529,

0.3978

170.4920, 0.3502,
0.3927

12.8771, 0.3904,
0.4787

12.8771, 0.3904,
0.4787

12.7742, 0.3972,
0.4940

13.0005, 0.3816,
0.4601

12.6881, 0.4017,
0.5054

13.1440, 0.3710,
0.4389

12.6150, 0.4043,
0.5137

13.3097, 0.3593,
0.4159

12.5911, 0.4052,
0.5165

13.4987, 0.3467,
0.3920

13.7123, 0.3339,
0.3679

■ 13.9514, 0.3211,
0.3443

■ 14.2172, 0.3086,
0.3216

■ 14.5104, 0.2967,
0.3001

■ 14.8322, 0.2855,
0.2801

Harmonies

Analogous

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



12.8771, 0.4529, 0.4352



12.8771, 0.3904, 0.4787



12.8771, 0.3116, 0.4761

Triad

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



12.8771, 0.3904, 0.4787



12.8771, 0.1700, 0.2478



12.8771, 0.3816, 0.2621

Complementary

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



12.8771, 0.3904, 0.4787



2.6922, 0.1990, 0.1318

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.



12.8771, 0.2950, 0.2228



12.8771, 0.3904, 0.4787



12.8771, 0.1827, 0.2110

Square

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



12.8771, 0.3904, 0.4787



12.8771, 0.1877, 0.3188



12.8771, 0.2247, 0.2043



12.8771, 0.4535, 0.3157

Rectangle

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



12.8771, 0.3904, 0.4787



12.8771, 0.2603, 0.4383



12.8771, 0.2247, 0.2043



12.8771, 0.3525, 0.2470

Sweetspot

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



12.8777, 0.3904, 0.4787



24.4000, 0.3389, 0.3773



4.6982, 0.5031, 0.3418



5.6975, 0.3415, 0.3822



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.



12.8777, 0.3904, 0.4787



22.7843, 0.4000, 0.5009



11.3194, 0.3372, 0.5104



3.5710, 0.3240, 0.3497



15.9357, 0.4050, 0.5166



81.0132, 0.4042, 0.5173

Inverse Universe

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



2.6922, 0.1990, 0.1318



3.0276, 0.1738, 0.0918



3.7509, 0.2588, 0.1587



3.0364, 0.3009, 0.3076



1.3561, 0.1544, 0.0624



6.7388, 0.1522, 0.0612

Previews

White Background



This preview shows how the Yxy color 12.8771, 0.3904, 0.4787 looks on a white background.

Color Contrast Check

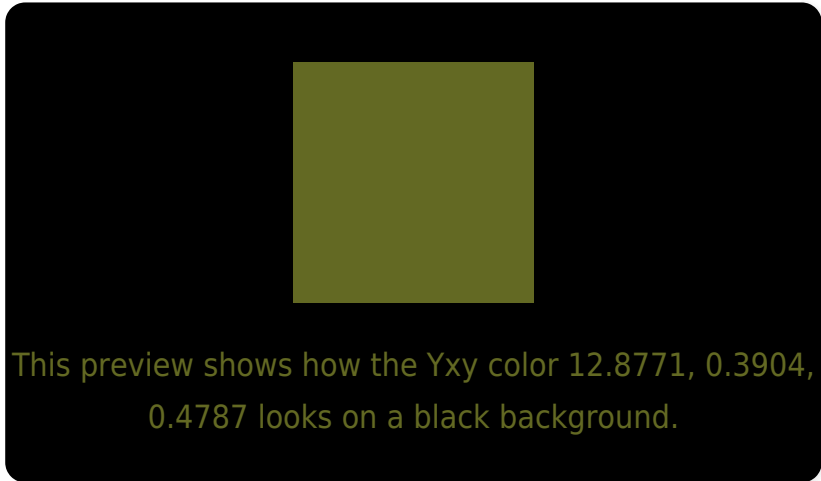
Large Text (above 18pt) WCAG AA ✓ Pass

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

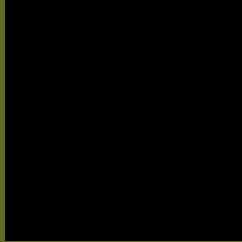
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

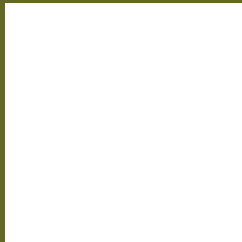
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.8771, 0.3904, 0.4787

Background



This preview shows how black text looks on a background with the Yxy color 12.8771, 0.3904, 0.4787.



This preview shows how white text looks on a background with the Yxy color 12.8771, 0.3904, 0.4787.

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

12.8771, 0.3904, 0.4787

Protanopia

12.8676, 0.4170, 0.4616

Deuteranopia

12.6843, 0.4420, 0.4346



Tritanopia

12.8401, 0.3135, 0.3118

Trichromacy



Original Color

12.8771, 0.3904, 0.4787

Protanomaly

12.7440, 0.4077, 0.4679

Deuteranomaly

12.7703, 0.4232, 0.4504

Tritanomaly

12.7701, 0.3450, 0.3767

Monochromacy



Original Color

12.8771, 0.3904, 0.4787

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8915, 0.3447, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8771, 0.3904, 0.4787 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, 105, 35)` looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 35)  
}
```

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, 105, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 35) }
```

Border

The CSS property to change the border of an element to Yxy 12.8771, 0.3904, 0.4787 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, 105, 35) }
```

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

```
.border{ border-color:rgb(99, 105, 35) }
```

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

Here you see how a box with a 4 pixel rgb(99, 105, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 35);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8771, 0.3904, 0.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 35) }
```

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

```
.background{ background-color: rgb(99, 105,  
35) }
```

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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