

Converting Colors

$Y_{xy}(12.8856, 0.3871, 0.4354)$

Have a look what the booklet for
Yxy(12.8856, 0.3871, 0.4354)
contains.

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Color

Yxy(12.8856, 0.3871, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	6B6635
RGB	107, 102, 53
RGB Percent	42%, 40%, 21%
CMY	0.5805, 0.6000, 0.7921
CMYK	0.00, 0.05, 0.50, 0.58
HSL	54°, 34%, 31%
HSV	54°, 50%, 42%
XYZ	11.4562, 12.8856, 5.2531
YIQ	97.9090, 18.7090, -14.1790

Conversions

Conversions Part 2

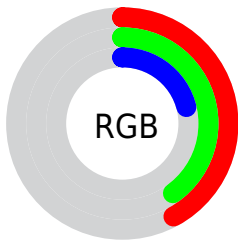
Format	Color
RYB	59, 107, 53
Decimal	7038517
CIELab	42.59, -5.56, 28.21
CIElCh	43, 28.752, 101.150
Yxy	12.8856, 0.3871, 0.4354
Android (android.graphics.Color)	4285228597 (0xFF6B6635)
YUV	97.9090, -22.1401, 7.9728
Hunter-Lab	35.8965, -5.8517, 16.4511

Details

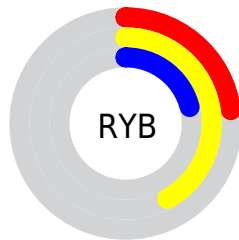
The Yxy color **12.8856, 0.3871, 0.4354** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.8436, 0.2252, 0.1936**, and the grayscale version is **12.2430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1956, 0.3702, 0.4090**, and **3.6473, 0.4179, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **12.6057, 0.4006, 0.4532**, and if you desaturate by 10%, it is **13.1910, 0.3725, 0.4155**.

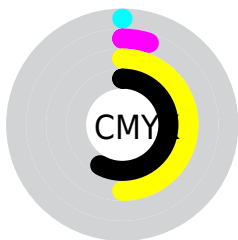
Distribution



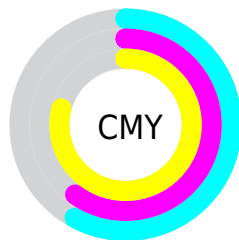
- Red (42%)
- Green (40%)
- Blue (21%)



- Red (23%)
- Yellow (42%)
- Blue (21%)



- Cyan (0%)
- Magenta (5%)
- Yellow (50%)
- Black (58%)




- Cyan (58%)
- Magenta (60%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8856, 0.3871, 0.4354 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 12.8856, 0.3871, 0.4354 by changing the saturation by 10% instead.


 12.8856, 0.3871,
0.4354


 12.8856, 0.3871,
0.4354


 210.1832, 0.3438,
0.3713

 7.3498, 0.3995,
0.4557


 31.0981, 0.3699,
0.4090


 3.6818, 0.4162,
0.4849

 44.5436, 0.3639,
0.4001


 1.4972, 0.4528,
0.5472

 61.3945, 0.3589,
0.3929

 0.2868, 0.3230,
0.6770

 82.0351, 0.3549,
0.3870

 0.0000, 0.0000,
0.0000

 106.8499, 0.3514,
0.3821

 136.2233, 0.3485,

0.3779

170.5396, 0.3460,
0.3744

■ 12.8856, 0.3871,
0.4354

■ 12.8856, 0.3871,
0.4354

■ 12.6057, 0.4006,
0.4532

■ 13.1910, 0.3725,
0.4155

■ 12.3480, 0.4124,
0.4682

■ 13.5214, 0.3575,
0.3943

■ 12.1115, 0.4222,
0.4796

■ 13.8788, 0.3423,
0.3725

■ 11.8942, 0.4296,
0.4870

■ 14.2642, 0.3275,
0.3509

■ 11.6963, 0.4356,
0.4924

■ 14.6787, 0.3133,
0.3299

■ 15.1234, 0.3000,
0.3099

■ 15.5993, 0.2875,
0.2910

■ 16.1072, 0.2761,
0.2735

■ 16.6481, 0.2656,
0.2573

Harmonies

Analogous

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



12.8856, 0.4264, 0.4026



12.8856, 0.3871, 0.4354



12.8856, 0.3299, 0.4385

Triad

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



12.8856, 0.3871, 0.4354



12.8856, 0.2047, 0.2818



12.8856, 0.3483, 0.2696

Complementary

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



12.8856, 0.3871, 0.4354



4.8436, 0.2252, 0.1936

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.



12.8856, 0.2858, 0.2421



12.8856, 0.3871, 0.4354



12.8856, 0.2084, 0.2453

Square

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



12.8856, 0.3871, 0.4354



12.8856, 0.2262, 0.3396



12.8856, 0.2363, 0.2329



12.8856, 0.4050, 0.3101

Rectangle

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



12.8856, 0.3871, 0.4354



12.8856, 0.2899, 0.4180



12.8856, 0.2363, 0.2329



12.8856, 0.3270, 0.2587

Sweetspot

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



12.8862, 0.3871, 0.4354



25.2004, 0.3348, 0.3616



5.9820, 0.4296, 0.3169



6.0731, 0.3372, 0.3651



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.



12.8862, 0.3871, 0.4354



22.4711, 0.4034, 0.4569



12.7190, 0.3493, 0.4589



3.5382, 0.3254, 0.3478



14.2111, 0.4357, 0.4922



71.7412, 0.4368, 0.4914

Inverse Universe

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



4.8436, 0.2252, 0.1936



6.2138, 0.2018, 0.1555



5.0886, 0.2573, 0.1926



3.0659, 0.2997, 0.3095



1.5265, 0.1527, 0.0697



7.1762, 0.1514, 0.0649

Previews

White Background



This preview shows how the Yxy color 12.8856, 0.3871, 0.4354 looks on a white background.

Color Contrast Check

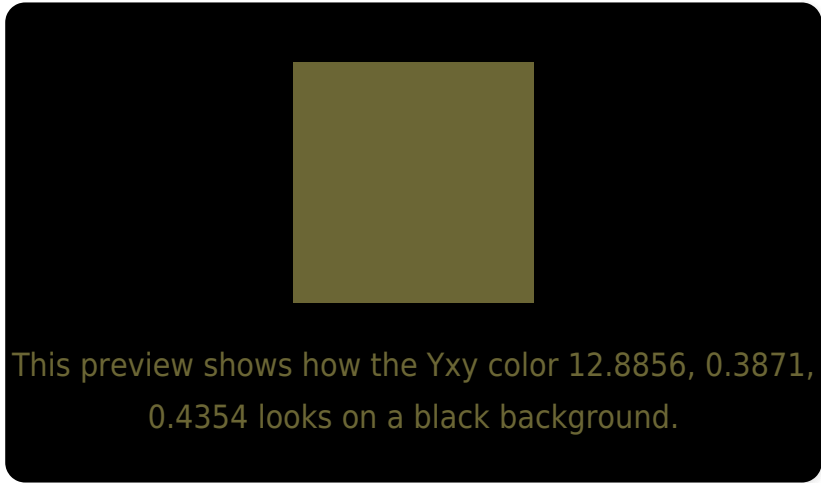
Large Text (above 18pt) WCAG AA ✓ Pass

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

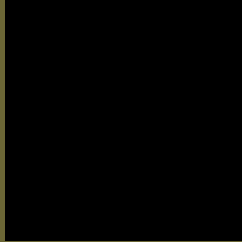
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

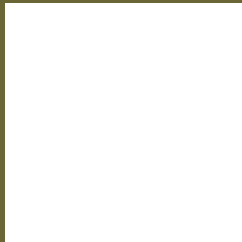
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.8856, 0.3871, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 12.8856, 0.3871, 0.4354.



This preview shows how white text looks on a background with the Yxy color 12.8856, 0.3871, 0.4354.

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

12.8856, 0.3871, 0.4354

Protanopia

12.9439, 0.3946, 0.4309

Deuteranopia

12.8525, 0.4166, 0.4106



Tritanopia

12.8100, 0.3256, 0.3121

Trichromacy



Original Color

12.8856, 0.3871, 0.4354

Protanomaly

12.8794, 0.3930, 0.4316

Deuteranomaly

12.7836, 0.4061, 0.4197

Tritanomaly

12.7062, 0.3500, 0.3576

Monochromacy



Original Color

12.8856, 0.3871, 0.4354

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.2996, 0.3398, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8856, 0.3871, 0.4354 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(107, 102, 53)` looks like.

```
.text, #text, p{  
    color:rgb(107, 102, 53)  
}
```

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(107, 102, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 102, 53) }
```

Border

The CSS property to change the border of an element to Yxy 12.8856, 0.3871, 0.4354 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(107, 102, 53) }
```

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

```
.border{ border-color:rgb(107, 102, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 102, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 102, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 102, 53);  
box-shadow:4px 4px 4px 4px rgb(107, 102,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8856, 0.3871, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 102, 53) }
```

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

```
.background{ background-color: rgb(107,  
102, 53) }
```

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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