

Converting Colors

$Y_{xy}(12.4325, 0.3886, 0.4871)$

Have a look what the booklet for
Yxy(12.4325, 0.3886, 0.4871)
contains.

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Color

Yxy(12.4325, 0.3886, 0.4871)

Conversions

Conversions Part 1

Format	Color
Hex	5F681F
RGB	95, 104, 31
RGB Percent	37%, 41%, 12%
CMY	0.6274, 0.5922, 0.8785
CMYK	0.09, 0.00, 0.70, 0.59
HSL	67°, 54%, 26%
HSV	67°, 70%, 41%
XYZ	9.9184, 12.4325, 3.1726
YIQ	92.9870, 18.0690, -24.6110

Conversions

Conversions Part 2

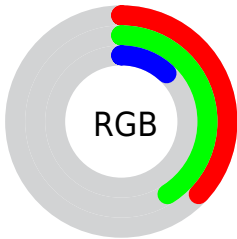
Format	Color
R_{YB}	31, 104, 40
Decimal	6252575
CIE _{Lab}	41.90, -14.15, 38.28
CIE _{LCh}	42, 40.808, 110.288
Yxy	12.4325, 0.3886, 0.4871
Android (android.graphics.Color)	4284442655 (0xFF5F681F)
YUV	92.9870, -30.5596, 1.7654
Hunter-Lab	35.2598, -11.4932, 19.3471

Details

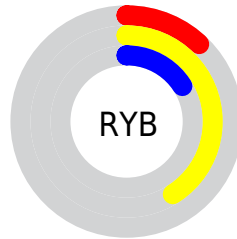
The Yxy color **12.4325, 0.3886, 0.4871** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.4295, 0.1965, 0.1236**, and the grayscale version is **11.0135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3178, 0.3743, 0.4471**, and **3.5306, 0.3928, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **12.3189, 0.3940, 0.5018**, and if you desaturate by 10%, it is **12.5661, 0.3811, 0.4689**.

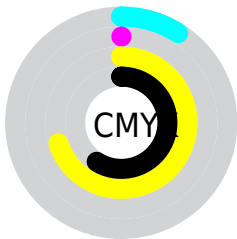
Distribution



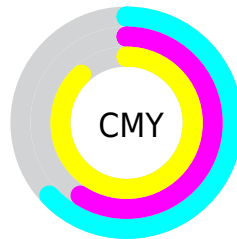
- Red (37%)
- Green (41%)
- Blue (12%)



- Red (12%)
- Yellow (41%)
- Blue (16%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)
- Black (59%)




- Cyan (63%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4325, 0.3886, 0.4871 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 12.4325, 0.3886, 0.4871 by changing the saturation by 10% instead.


 12.4325, 0.3886,
0.4871


 12.4325, 0.3886,
0.4871


 207.2479, 0.3475,
0.3911


 7.0389, 0.3967,
0.5165


 30.2804, 0.3740,
0.4478


 3.4865, 0.4200,
0.5800

 43.5035, 0.3682,
0.4343


 1.3907, 0.3950,
0.6050

 60.1053, 0.3634,
0.4235

 0.2098, 0.0000,
1.0000


 80.4702, 0.3592,
0.4146


 0.0000, 0.0000,
0.0000

 104.9825, 0.3556,
0.4072


 134.0266, 0.3525,


0.4010


 167.9869, 0.3499,
0.3957


 12.4325, 0.3886,
0.4871


 12.4325, 0.3886,
0.4871

 12.3189, 0.3940,
0.5018

 12.5661, 0.3811,
0.4689


 12.2217, 0.3971,
0.5126

 12.7195, 0.3717,
0.4479

 12.1350, 0.3990,
0.5214

 12.8947, 0.3610,
0.4249

 13.0929, 0.3493,
0.4009

 13.3153, 0.3372,
0.3765

■ 13.5629, 0.3250,
0.3526

■ 13.8368, 0.3130,
0.3295

■ 14.1380, 0.3014,
0.3076

■ 14.4672, 0.2904,
0.2871

Harmonies

Analogous

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



12.4325, 0.4557, 0.4419



12.4325, 0.3886, 0.4871



12.4325, 0.3062, 0.4821

Triad

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



12.4325, 0.3886, 0.4871



12.4325, 0.1643, 0.2406



12.4325, 0.3898, 0.2619

Complementary

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



12.4325, 0.3886, 0.4871



2.4295, 0.1965, 0.1236

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.



12.4325, 0.2987, 0.2202



12.4325, 0.3886, 0.4871



12.4325, 0.1791, 0.2049

Square

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



12.4325, 0.3886, 0.4871



12.4325, 0.1804, 0.3128



12.4325, 0.2241, 0.1998



12.4325, 0.4635, 0.3178

Rectangle

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



12.4325, 0.3886, 0.4871



12.4325, 0.2532, 0.4399



12.4325, 0.2241, 0.1998



12.4325, 0.3593, 0.2460

Sweetspot

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



12.4331, 0.3886, 0.4871



23.3047, 0.3389, 0.3799



4.5265, 0.5136, 0.3471



5.6664, 0.3413, 0.3847



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.



12.4331, 0.3886, 0.4871



21.5050, 0.3961, 0.5090



10.9282, 0.3339, 0.5213



3.2517, 0.3234, 0.3495



14.9504, 0.3987, 0.5216



77.7186, 0.3975, 0.5226

Inverse Universe

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



2.4295, 0.1965, 0.1236



2.6807, 0.1720, 0.0857



3.5160, 0.2602, 0.1532



2.7784, 0.3015, 0.3079



1.3263, 0.1567, 0.0637



6.6987, 0.1538, 0.0621

Previews

White Background



This preview shows how the Yxy color 12.4325, 0.3886, 0.4871 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 12.4325, 0.3886, 0.4871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

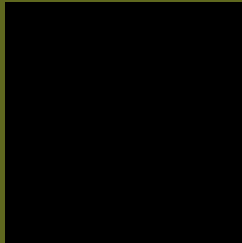
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4325, 0.3886, 0.4871

Background



This preview shows how black text looks on a background with the Yxy color 12.4325, 0.3886, 0.4871.



This preview shows how white text looks on a background with the Yxy color 12.4325, 0.3886, 0.4871.

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

12.4325, 0.3886, 0.4871

Protanopia

12.3969, 0.4218, 0.4647

Deuteranopia

12.3377, 0.4435, 0.4387



Tritanopia

12.3941, 0.3091, 0.3114

Trichromacy



Original Color

12.4325, 0.3886, 0.4871

Protanomaly

12.4044, 0.4093, 0.4739

Deuteranomaly

12.3616, 0.4228, 0.4558

Tritanomaly

12.3171, 0.3420, 0.3802

Monochromacy



Original Color

12.4325, 0.3886, 0.4871

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.3713, 0.3467, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4325, 0.3886, 0.4871 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(95, 104, 31)` looks like.

```
.text, #text, p{  
  color:rgb(95, 104, 31)  
}
```

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(95, 104, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 104, 31) }
```

Border

The CSS property to change the border of an element to Yxy 12.4325, 0.3886, 0.4871 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(95, 104, 31) }
```

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

```
.border{ border-color:rgb(95, 104, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 104, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 104, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 104, 31);  
box-shadow:4px 4px 4px 4px rgb(95, 104,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4325, 0.3886, 0.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 104, 31) }
```

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

```
.background{ background-color: rgb(95, 104,  
31) }
```

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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