

Converting Colors

$Y_{xy}(12.3925, 0.4929, 0.3965)$

Have a look what the booklet for
Yxy(12.3925, 0.4929, 0.3965)
contains.

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Color

Yxy(12.3841, 0.4926, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	935227
RGB	147, 82, 39
RGB Percent	58%, 32%, 15%
CMY	0.4235, 0.6784, 0.8471
CMYK	0.00, 0.44, 0.73, 0.42
HSL	24°, 58%, 36%
HSV	24°, 73%, 58%
XYZ	15.4167, 12.3841, 3.4958
YIQ	96.5330, 52.5430, 0.4070

Conversions

Conversions Part 2

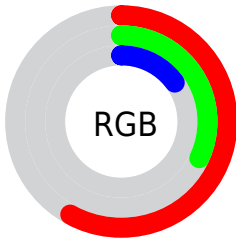
Format	Color
RYB	147, 110, 39
Decimal	9654823
CIELab	41.82, 23.46, 36.12
CIELCh	42, 43.071, 57.003
Yxy	12.3841, 0.4926, 0.3957
Android (android.graphics.Color)	4287844903 (0xFF935227)
YUV	96.5330, -28.3638, 44.2596
Hunter-Lab	35.1910, 16.6142, 18.7439

Details

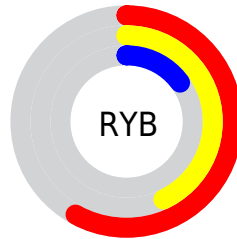
The Yxy color **12.3841, 0.4926, 0.3957** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.4363, 0.2089, 0.2350**, and the grayscale version is **11.8947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1535, 0.4499, 0.3864**, and **3.5371, 0.5606, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **11.0562, 0.5232, 0.3963**, and if you desaturate by 10%, it is **13.9232, 0.4610, 0.3909**.

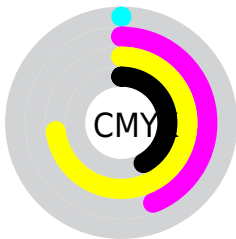
Distribution



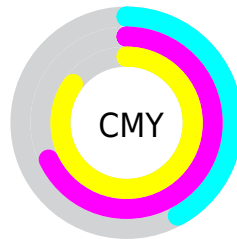
- Red (58%)
- Green (32%)
- Blue (15%)



- Red (58%)
- Yellow (43%)
- Blue (15%)



- Cyan (0%)
- Magenta (44%)
- Yellow (73%)
- Black (42%)




- Cyan (42%)
- Magenta (68%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3841, 0.4926, 0.3957 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 12.3841, 0.4926, 0.3957 by changing the saturation by 10% instead.


 12.3841, 0.4926,
0.3957


 12.3841, 0.4926,
0.3957


206.9318, 0.3855,
0.3639


 7.0058, 0.5240,
0.3990


 30.1928, 0.4496,
0.3862


 3.4657, 0.5800,
0.4077

 43.3919, 0.4346,
0.3818


 1.3795, 0.6190,
0.3810

 59.9669, 0.4225,
0.3779

 0.2015, 0.7913,
0.2087

 80.3020, 0.4125,
0.3744

 0.0000, 0.0000,
0.0000

 104.7816, 0.4041,
0.3713

 133.7902, 0.3969,

0.3685

167.7121, 0.3908,
0.3661

12.3841, 0.4926,
0.3957

12.3841, 0.4926,
0.3957

11.0562, 0.5232,
0.3963

13.9232, 0.4610,
0.3909

9.9263, 0.5504,
0.3920

15.6815, 0.4304,
0.3832

9.2846, 0.5671,
0.3879

17.6690, 0.4021,
0.3736

19.8944, 0.3767,
0.3631

22.3659, 0.3543,
0.3525

■ 25.0911, 0.3348,
0.3421

■ 28.0776, 0.3180,
0.3323

■ 31.3322, 0.3035,
0.3231

■ 34.8618, 0.2911,
0.3146

Harmonies

Analogous

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



12.3841, 0.4827, 0.3305



12.3841, 0.4926, 0.3957



12.3841, 0.4486, 0.4594

Triad

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



12.3841, 0.4926, 0.3957



12.3841, 0.2107, 0.3914



12.3841, 0.2345, 0.1967

Complementary

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



12.3841, 0.4926, 0.3957



12.4363, 0.2089, 0.2350

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.



12.3841, 0.1807, 0.1954



12.3841, 0.4926, 0.3957



12.3841, 0.1674, 0.2908

Square

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



12.3841, 0.4926, 0.3957



12.3841, 0.2855, 0.4805



12.3841, 0.1584, 0.2242



12.3841, 0.3185, 0.2233

Rectangle

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



12.3841, 0.4926, 0.3957



12.3841, 0.4000, 0.4917



12.3841, 0.1584, 0.2242



12.3841, 0.2130, 0.1932

Sweetspot

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



12.3848, 0.4926, 0.3957



40.5314, 0.3521, 0.3514



8.6859, 0.3993, 0.2261



8.9952, 0.3572, 0.3540



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.3848, 0.4926, 0.3957



18.4779, 0.5410, 0.3942



23.5119, 0.4209, 0.4717



6.1718, 0.3273, 0.3379



8.0945, 0.5661, 0.3887



0.1540, 0.4958, 0.4445

Inverse Universe

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



12.4363, 0.2089, 0.2350



18.4270, 0.1944, 0.2105



4.9571, 0.1808, 0.1226



6.1785, 0.2989, 0.3200



7.9921, 0.1879, 0.1963



0.1556, 0.2060, 0.2617

Previews

White Background



This preview shows how the Yxy color 12.3841, 0.4926, 0.3957 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 12.3841, 0.4926, 0.3957 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 12.3841, 0.4926, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 12.3841, 0.4926, 0.3957.



This preview shows how white text looks on a background with the Yxy color 12.3841, 0.4926, 0.3957.

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

12.3841, 0.4926, 0.3957

Protanopia

12.4205, 0.4060, 0.4444

Deuteranopia

12.4179, 0.4440, 0.4365



Tritanopia

12.3218, 0.4301, 0.3191

Trichromacy



Original Color

12.3841, 0.4926, 0.3957

Protanomaly

12.2068, 0.4372, 0.4269

Deuteranomaly

12.3514, 0.4613, 0.4218

Tritanomaly

12.2931, 0.4558, 0.3497

Monochromacy



Original Color

12.3841, 0.4926, 0.3957

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8209, 0.3755, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3841, 0.4926, 0.3957 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(147, 82, 39)` looks like.

```
.text, #text, p{  
    color:rgb(147, 82, 39)  
}
```

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(147, 82, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 82, 39) }
```

Border

The CSS property to change the border of an element to Yxy 12.3841, 0.4926, 0.3957 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(147, 82, 39) }
```

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

```
.border{ border-color:rgb(147, 82, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 82, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 82, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 82, 39);  
box-shadow:4px 4px 4px 4px rgb(147, 82,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3841, 0.4926, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 82, 39) }
```

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

```
.background{ background-color: rgb(147, 82,  
39) }
```

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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