

Converting Colors

$Y_{xy}(12.2293, 0.5168, 0.3935)$

Have a look what the booklet for
Yxy(12.2293, 0.5168, 0.3935)
contains.

Yxy(12.1790, 0.5170, 0.3926)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.1790, 0.5170, 0.3926)

Conversions

Conversions Part 1

Format	Color
Hex	994D1F
RGB	153, 77, 31
RGB Percent	60%, 30%, 12%
CMY	0.4000, 0.6980, 0.8783
CMYK	0.00, 0.50, 0.80, 0.40
HSL	23°, 66%, 36%
HSV	23°, 80%, 60%
XYZ	16.0381, 12.1790, 2.8043
YIQ	94.4800, 60.0620, 1.8060

Conversions

Conversions Part 2

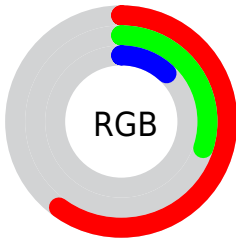
Format	Color
R_{YB}	153, 105, 31
Decimal	10046751
CIE _{Lab}	41.50, 28.45, 40.07
CIE _{LCh}	41, 49.148, 54.623
Yxy	12.1790, 0.5170, 0.3926
Android (android.graphics.Color)	4288236831 (0xFF994D1F)
YUV	94.4800, -31.2956, 51.3220
Hunter-Lab	34.8984, 20.9599, 19.6645

Details

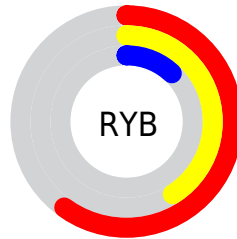
The Yxy color **12.1790, 0.5170, 0.3926** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1131, 0.2040, 0.2311**, and the grayscale version is **11.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7259, 0.4697, 0.3866**, and **3.4153, 0.5821, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **10.8794, 0.5467, 0.3897**, and if you desaturate by 10%, it is **13.7138, 0.4847, 0.3908**.

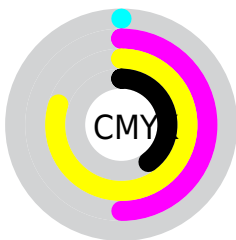
Distribution



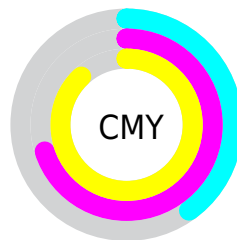
- Red (60%)
- Green (30%)
- Blue (12%)



- Red (60%)
- Yellow (41%)
- Blue (12%)



- Cyan (0%)
- Magenta (50%)
- Yellow (80%)
- Black (40%)





- Cyan (40%)
- Magenta (70%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1790, 0.5170, 0.3926 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 12.1790, 0.5170, 0.3926 by changing the saturation by 10% instead.


 12.1790, 0.5170,
0.3926


 12.1790, 0.5170,
0.3926


205.5867, 0.3963,
0.3657

 6.8657, 0.5509,
0.3922


 29.8207, 0.4693,
0.3864

 3.3783, 0.6072,
0.3928

 42.9179, 0.4524,
0.3826

 1.3323, 0.6444,
0.3556

 59.3785, 0.4386,
0.3791

 0.1660, 0.8370,
0.1630

 79.5869, 0.4271,
0.3758

 0.0000, 0.0000,
0.0000

 103.9276, 0.4176,
0.3729

 132.7848, 0.4094,

0.3702

166.5431, 0.4024,
0.3678

12.1790, 0.5170,
0.3926

12.1790, 0.5170,
0.3926

10.8794, 0.5467,
0.3897

13.7138, 0.4847,
0.3908

9.7930, 0.5728,
0.3830

15.4947, 0.4522,
0.3853

9.7645, 0.5736,
0.3828

17.5337, 0.4214,
0.3772

19.8418, 0.3934,
0.3677

22.4289, 0.3685,
0.3577

■ 25.3046, 0.3469,
0.3476

■ 28.4778, 0.3283,
0.3379

■ 31.9572, 0.3123,
0.3287

■ 35.7511, 0.2986,
0.3202

Harmonies

Analogous

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



12.1790, 0.5030, 0.3219



12.1790, 0.5170, 0.3926



12.1790, 0.4681, 0.4660

Triad

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



12.1790, 0.5170, 0.3926



12.1790, 0.2018, 0.4106



12.1790, 0.2181, 0.1808

Complementary

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



12.1790, 0.5170, 0.3926



13.1131, 0.2040, 0.2311

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.



12.1790, 0.1626, 0.1810



12.1790, 0.5170, 0.3926



12.1790, 0.1524, 0.2910

Square

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



12.1790, 0.5170, 0.3926



12.1790, 0.2865, 0.5116



12.1790, 0.1410, 0.2139



12.1790, 0.3097, 0.2078

Rectangle

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



12.1790, 0.5170, 0.3926



12.1790, 0.4140, 0.5081



12.1790, 0.1410, 0.2139



12.1790, 0.1955, 0.1777

Sweetspot

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



12.1797, 0.5170, 0.3926



42.8023, 0.3568, 0.3524



8.8426, 0.4057, 0.2194



9.0844, 0.3640, 0.3557



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



12.1797, 0.5170, 0.3926



17.8722, 0.5674, 0.3836



24.6873, 0.4298, 0.4760



6.5852, 0.3274, 0.3374



8.1308, 0.5723, 0.3838



0.1880, 0.5017, 0.4398

Inverse Universe

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



13.1131, 0.2040, 0.2311



19.3311, 0.1911, 0.2055



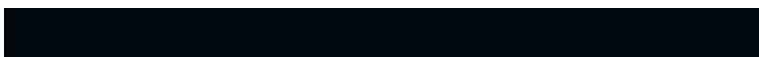
4.6487, 0.1722, 0.1090



6.6350, 0.2989, 0.3204



8.7802, 0.1899, 0.2035



0.2009, 0.2067, 0.2640

Previews

White Background



This preview shows how the Yxy color 12.1790, 0.5170, 0.3926 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 12.1790, 0.5170, 0.3926 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 12.1790, 0.5170, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 12.1790, 0.5170, 0.3926.



This preview shows how white text looks on a background with the Yxy color 12.1790, 0.5170, 0.3926.

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

12.1790, 0.5170, 0.3926

Protanopia

12.3722, 0.4136, 0.4558

Deuteranopia

12.3607, 0.4542, 0.4495



Tritanopia

12.1391, 0.4547, 0.3214

Trichromacy



Original Color

12.1790, 0.5170, 0.3926

Protanomaly

12.0391, 0.4528, 0.4310

Deuteranomaly

12.2095, 0.4789, 0.4275

Tritanomaly

12.0938, 0.4820, 0.3514

Monochromacy



Original Color

12.1790, 0.5170, 0.3926

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0792, 0.3866, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1790, 0.5170, 0.3926 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(153, 77, 31)` looks like.

```
.text, #text, p{  
  color:rgb(153, 77, 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(153, 77, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 77, 31) }
```

Border

The CSS property to change the border of an element to Yxy 12.1790, 0.5170, 0.3926 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(153, 77, 31) }
```

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

```
.border{ border-color:rgb(153, 77, 31) }
```

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

Here you see how a box with a 4 pixel rgb(153, 77, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 77, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 77, 31);  
box-shadow:4px 4px 4px 4px rgb(153, 77,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1790, 0.5170, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 77, 31) }
```

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

```
.background{ background-color: rgb(153, 77,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor