

Converting Colors

$Y_{xy}(12.5706, 0.5145, 0.3955)$

Have a look what the booklet for
Yxy(12.5706, 0.5145, 0.3955)
contains.

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Color

Yxy(12.5609, 0.5150, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	9A4F1F
RGB	154, 79, 31
RGB Percent	60%, 31%, 12%
CMY	0.3960, 0.6902, 0.8784
CMYK	0.00, 0.49, 0.80, 0.40
HSL	23°, 66%, 36%
HSV	23°, 80%, 60%
XYZ	16.3727, 12.5609, 2.8581
YIQ	95.9530, 60.1080, 0.9720

Conversions

Conversions Part 2

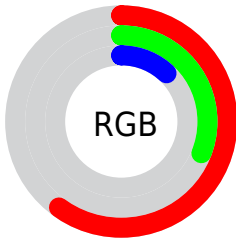
Format	Color
RYB	154, 110, 31
Decimal	10112799
CIELab	42.09, 27.80, 40.72
CIElCh	42, 49.307, 55.681
Yxy	12.5609, 0.5150, 0.3951
Android (android.graphics.Color)	4288302879 (0xFF9A4F1F)
YUV	95.9530, -32.0218, 50.9072
Hunter-Lab	35.4414, 20.4387, 20.0277

Details

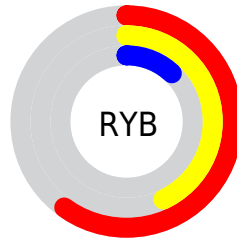
The Yxy color **12.5609, 0.5150, 0.3951** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9403, 0.2029, 0.2272**, and the grayscale version is **11.7535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4112, 0.4679, 0.3877**, and **3.5744, 0.5779, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **11.2383, 0.5441, 0.3923**, and if you desaturate by 10%, it is **14.1153, 0.4833, 0.3931**.

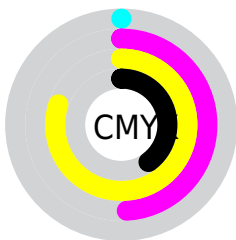
Distribution



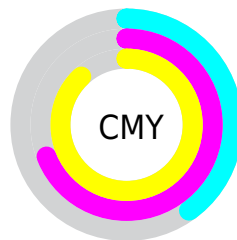
- Red (60%)
- Green (31%)
- Blue (12%)



- Red (60%)
- Yellow (43%)
- Blue (12%)



- Cyan (0%)
- Magenta (49%)
- Yellow (80%)
- Black (40%)





- Cyan (40%)
- Magenta (69%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5609, 0.5150, 0.3951 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 12.5609, 0.5150, 0.3951 by changing the saturation by 10% instead.


 12.5609, 0.5150,
0.3951


 12.5609, 0.5150,
0.3951


208.0840, 0.3961,
0.3667

 7.1269, 0.5480,
0.3953


 30.5126, 0.4682,
0.3883


 3.5416, 0.6031,
0.3969

 43.7991, 0.4516,
0.3844


 1.4206, 0.6386,
0.3614

 60.4719, 0.4380,
0.3807

 0.2318, 0.7952,
0.2048

 80.9154, 0.4267,
0.3773


 0.0000, 0.0000,
0.0000


 105.5140, 0.4172,
0.3742

 134.6520, 0.4091,


0.3715


 168.7139, 0.4022,
0.3690


 12.5609, 0.5150,
0.3951


 12.5609, 0.5150,
0.3951


 11.2383, 0.5441,
0.3923

 14.1153, 0.4833,
0.3931

 10.1254, 0.5697,
0.3857

 15.9117, 0.4514,
0.3874

 10.1122, 0.5701,
0.3856

 17.9622, 0.4210,
0.3790

 20.2773, 0.3933,
0.3692

 22.8667, 0.3687,
0.3588

■ 25.7396, 0.3471,
0.3484

■ 28.9049, 0.3285,
0.3384

■ 32.3708, 0.3125,
0.3289

■ 36.1454, 0.2988,
0.3201

Harmonies

Analogous

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



12.5609, 0.5035, 0.3245



12.5609, 0.5150, 0.3951



12.5609, 0.4648, 0.4679

Triad

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



12.5609, 0.5150, 0.3951



12.5609, 0.2001, 0.4056



12.5609, 0.2213, 0.1821

Complementary

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



12.5609, 0.5150, 0.3951



12.9403, 0.2029, 0.2272

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.



12.5609, 0.1647, 0.1813



12.5609, 0.5150, 0.3951



12.5609, 0.1523, 0.2879

Square

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



12.5609, 0.5150, 0.3951



12.5609, 0.2835, 0.5080



12.5609, 0.1421, 0.2129



12.5609, 0.3135, 0.2099

Rectangle

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



12.5609, 0.5150, 0.3951



12.5609, 0.4105, 0.5089



12.5609, 0.1421, 0.2129



12.5609, 0.1984, 0.1787

Sweetspot

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



12.5616, 0.5150, 0.3951



44.2737, 0.3567, 0.3532



8.9109, 0.4106, 0.2222



9.6324, 0.3640, 0.3567



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.5616, 0.5150, 0.3951



18.7604, 0.5640, 0.3864



25.6305, 0.4276, 0.4784



6.5982, 0.3274, 0.3377



8.3020, 0.5687, 0.3867



0.1916, 0.4989, 0.4420

Inverse Universe

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



12.9403, 0.2029, 0.2272



19.2150, 0.1898, 0.2009



4.5292, 0.1712, 0.1055



6.6217, 0.2989, 0.3201



8.4834, 0.1886, 0.1989



0.1972, 0.2059, 0.2613

Previews

White Background



This preview shows how the Yxy color 12.5609, 0.5150, 0.3951 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 12.5609, 0.5150, 0.3951 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 12.5609, 0.5150, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 12.5609, 0.5150, 0.3951.



This preview shows how white text looks on a background with the Yxy color 12.5609, 0.5150, 0.3951.

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

12.5609, 0.5150, 0.3951

Protanopia

12.6927, 0.4155, 0.4557

Deuteranopia

12.6902, 0.4556, 0.4492



Tritanopia

12.5300, 0.4506, 0.3214

Trichromacy



Original Color

12.5609, 0.5150, 0.3951

Protanomaly

12.2877, 0.4528, 0.4319

Deuteranomaly

12.4581, 0.4786, 0.4283

Tritanomaly

12.4852, 0.4777, 0.3514

Monochromacy



Original Color

12.5609, 0.5150, 0.3951

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5621, 0.3868, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5609, 0.5150, 0.3951 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(154, 79, 31)` looks like.

```
.text, #text, p{  
  color:rgb(154, 79, 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(154, 79, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 79, 31) }
```

Border

The CSS property to change the border of an element to Yxy 12.5609, 0.5150, 0.3951 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(154, 79, 31) }
```

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

```
.border{ border-color:rgb(154, 79, 31) }
```

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

Here you see how a box with a 4 pixel rgb(154, 79, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 79, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 79, 31);  
box-shadow:4px 4px 4px 4px rgb(154, 79,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5609, 0.5150, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 79, 31) }
```

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

```
.background{ background-color: rgb(154, 79,  
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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