

Converting Colors

$Y_{xy}(12.1230, 0.5502, 0.3958)$

Have a look what the booklet for
Yxy(12.1230, 0.5502, 0.3958)
contains.

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Color

Yxy(12.1237, 0.5502, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	A04807
RGB	160, 72, 7
RGB Percent	63%, 28%, 3%
CMY	0.3726, 0.7176, 0.9724
CMYK	0.00, 0.55, 0.96, 0.37
HSL	25°, 92%, 33%
HSV	25°, 96%, 63%
XYZ	16.8531, 12.1237, 1.6541
YIQ	90.9020, 73.3130, -1.5590

Conversions

Conversions Part 2

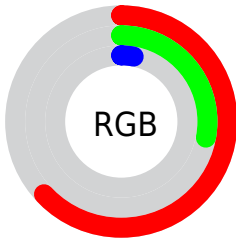
Format	Color
R_{YB}	160, 120, 7
Decimal	10504199
CIE _{Lab}	41.41, 33.43, 49.45
CIE _{LCh}	41, 59.694, 55.939
Yxy	12.1237, 0.5502, 0.3958
Android (android.graphics.Color)	4288694279 (0xFFA04807)
YUV	90.9020, -41.3637, 60.5989
Hunter-Lab	34.8191, 25.4640, 21.5568

Details

The Yxy color **12.1237, 0.5502, 0.3958** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7749, 0.1877, 0.1921**, and the grayscale version is **10.5234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8643, 0.4987, 0.3949**, and **3.3795, 0.6031, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **11.6020, 0.5608, 0.3929**, and if you desaturate by 10%, it is **13.4517, 0.5250, 0.4010**.

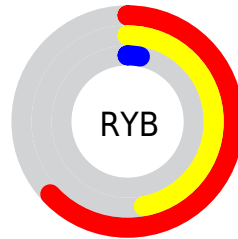
Distribution



Red (63%)

Green (28%)

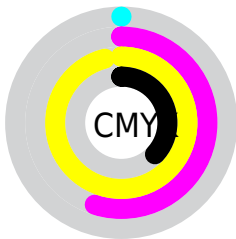
Blue (3%)



Red (63%)

Yellow (47%)

Blue (3%)

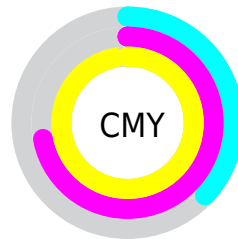


Cyan (0%)

Magenta (55%)

Yellow (96%)

Black (37%)



Cyan (37%)


Magenta (72%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1237, 0.5502, 0.3958 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 12.1237, 0.5502, 0.3958 by changing the saturation by 10% instead.


 12.1237, 0.5502,
0.3958


 12.1237, 0.5502,
0.3958


 205.2225, 0.4140,
0.3735


 6.8280, 0.5882,
0.3928


 29.7202, 0.4989,
0.3941


 3.3548, 0.6258,
0.3742

 42.7898, 0.4797,
0.3911


 1.3196, 0.6675,
0.3325

 59.2194, 0.4639,
0.3878

 0.1563, 0.8613,
0.1387

 79.3935, 0.4506,
0.3846


 0.0000, 0.0000,
0.0000


 103.6965, 0.4393,
0.3815


 132.5127, 0.4296,


0.3786

 166.2266, 0.4213,
0.3759


 12.1237, 0.5502,
0.3958


 12.1237, 0.5502,
0.3958


 11.6020, 0.5608,
0.3929

 13.4517, 0.5250,
0.4010

 15.0028, 0.4961,
0.4012

 16.7913, 0.4657,
0.3967

 18.8288, 0.4356,
0.3890

 21.1260, 0.4073,
0.3790

■ 23.6928, 0.3816,
0.3680

■ 26.5385, 0.3587,
0.3566

■ 29.6718, 0.3387,
0.3454

■ 33.1013, 0.3214,
0.3347

Harmonies

Analogous

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



12.1237, 0.5442, 0.3177



12.1237, 0.5502, 0.3958



12.1237, 0.4835, 0.4835

Triad

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



12.1237, 0.5502, 0.3958



12.1237, 0.1755, 0.4217



12.1237, 0.2045, 0.1593

Complementary

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



12.1237, 0.5502, 0.3958



10.7749, 0.1877, 0.1921

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.



12.1237, 0.1416, 0.1569



12.1237, 0.5502, 0.3958



12.1237, 0.1249, 0.2737

Square

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



12.1237, 0.5502, 0.3958



12.1237, 0.2700, 0.5546



12.1237, 0.1163, 0.1892



12.1237, 0.3128, 0.1905

Rectangle

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



12.1237, 0.5502, 0.3958



12.1237, 0.4173, 0.5392



12.1237, 0.1163, 0.1892



12.1237, 0.1787, 0.1551

Sweetspot

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



12.1244, 0.5502, 0.3958



46.0778, 0.3674, 0.3611



8.4759, 0.4505, 0.2287



9.6560, 0.3767, 0.3657



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.1244, 0.5502, 0.3958



20.6824, 0.5640, 0.3904



28.4352, 0.4326, 0.4918



7.0861, 0.3274, 0.3385



9.1218, 0.5593, 0.3941



0.2452, 0.4949, 0.4453

Inverse Universe

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



10.7749, 0.1877, 0.1921



18.1122, 0.1840, 0.1824



3.0765, 0.1544, 0.0711



7.0370, 0.2988, 0.3193



8.0347, 0.1852, 0.1867



0.2264, 0.2026, 0.2495

Previews

White Background



This preview shows how the Yxy color 12.1237, 0.5502, 0.3958 looks on a white background.

Color Contrast Check

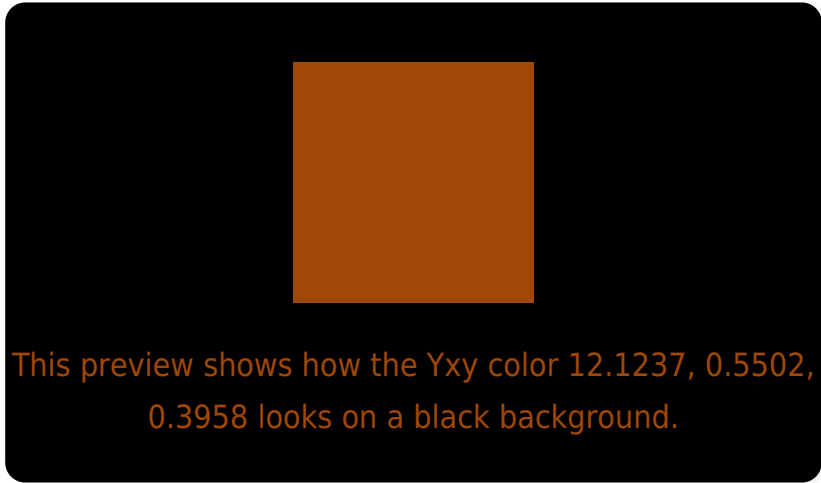
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1237, 0.5502, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 12.1237, 0.5502, 0.3958.



This preview shows how white text looks on a background with the Yxy color 12.1237, 0.5502, 0.3958.

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

12.1237, 0.5502, 0.3958

Protanopia

12.3437, 0.4311, 0.4786

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

12.1506, 0.4805, 0.3236

Trichromacy



Original Color

12.1237, 0.5502, 0.3958

Protanomaly

11.8409, 0.4785, 0.4462

Deuteranomaly

11.8219, 0.5020, 0.4369

Tritanomaly

12.0467, 0.5165, 0.3584

Monochromacy



Original Color

12.1237, 0.5502, 0.3958

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3799, 0.4105, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1237, 0.5502, 0.3958 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(160, 72, 7)` looks like.

```
.text, #text, p{  
    color:rgb(160, 72, 7)  
}
```

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(160, 72, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 72, 7) }
```

Border

The CSS property to change the border of an element to Yxy 12.1237, 0.5502, 0.3958 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(160, 72, 7) }
```

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

```
.border{ border-color:rgb(160, 72, 7) }
```

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

Here you see how a box with a 4 pixel rgb(160, 72, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 72, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 72, 7);  
box-shadow:4px 4px 4px 4px rgb(160, 72, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1237, 0.5502, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 72, 7) }
```

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

```
.background{ background-color: rgb(160, 72,  
7) }
```

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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