

Converting Colors

$Y_{xy}(10.5831, 0.5201, 0.4204)$

Have a look what the booklet for
Yxy(10.5831, 0.5201, 0.4204)
contains.

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Color

$Y_{xy}(10.5831, 0.5201, 0.4204)$

Conversions

Conversions Part 1

Format	Color
Hex	8A4C05
RGB	138, 76, 5
RGB Percent	54%, 30%, 2%
CMY	0.4588, 0.7019, 0.9802
CMYK	0.00, 0.45, 0.96, 0.46
HSL	32°, 93%, 28%
HSV	32°, 96%, 54%
XYZ	13.0929, 10.5831, 1.4978
YIQ	86.4440, 59.7430, -8.9370

Conversions

Conversions Part 2

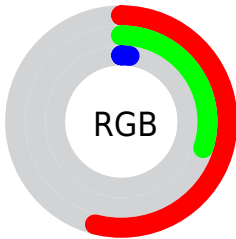
Format	Color
RYB	121, 138, 5
Decimal	9063429
CIELab	38.87, 21.72, 46.68
CIElCh	39, 51.487, 65.045
Yxy	10.5831, 0.5201, 0.4204
Android (android.graphics.Color)	4287253509 (0xFF8A4C05)
YUV	86.4440, -40.1519, 45.2146
Hunter-Lab	32.5317, 14.9100, 20.0423

Details

The Yxy color **10.5831, 0.5201, 0.4204** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8878, 0.1782, 0.1575**, and the grayscale version is **9.4852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8430, 0.4751, 0.4098**, and **2.7738, 0.5615, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **10.2534, 0.5277, 0.4192**, and if you desaturate by 10%, it is **11.5507, 0.4996, 0.4228**.

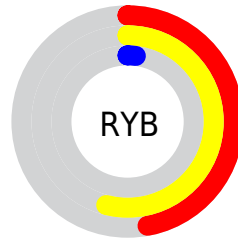
Distribution



Red (54%)

Green (30%)

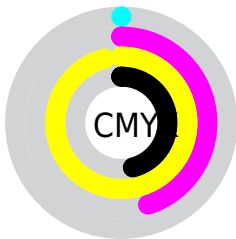
Blue (2%)



Red (47%)

Yellow (54%)

Blue (2%)

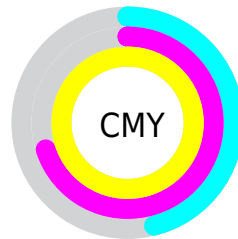


Cyan (0%)

Magenta (45%)

Yellow (96%)

Black (46%)



Cyan (46%)


Magenta (70%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5831, 0.5201, 0.4204 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 10.5831, 0.5201, 0.4204 by changing the saturation by 10% instead.


 10.5831, 0.5201,
0.4204


 10.5831, 0.5201,
0.4204


 194.7846, 0.3991,
0.3790


 5.7872, 0.5577,
0.4264

 26.8866, 0.4738,
0.4100

 2.7161, 0.5876,
0.4124

 39.1631, 0.4568,
0.4042


 0.9854, 0.6231,
0.3769

 54.7019, 0.4427,
0.3988

 0.0000, 1.0000,
0.0000


 73.8874, 0.4310,
0.3939


 0.0000, 0.0000,
0.0000


 97.1040, 0.4211,
0.3895

 124.7362, 0.4127,


0.3856


 157.1682, 0.4054,
0.3821

 10.5831, 0.5201,
0.4204


 10.5831, 0.5201,
0.4204

 10.2534, 0.5277,
0.4192

 11.5507, 0.4996,
0.4228

 12.6349, 0.4764,
0.4205

 13.8443, 0.4514,
0.4138

 15.1847, 0.4262,
0.4037

 16.6614, 0.4017,
0.3914

■ 18.2791, 0.3788,
0.3779

■ 20.0425, 0.3579,
0.3640

■ 21.9557, 0.3391,
0.3503

■ 24.0230, 0.3223,
0.3370

Harmonies

Analogous

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



10.5831, 0.5345, 0.3438



10.5831, 0.5201, 0.4204



10.5831, 0.4481, 0.4996

Triad

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



10.5831, 0.5201, 0.4204



10.5831, 0.1685, 0.3691



10.5831, 0.2398, 0.1772

Complementary

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



10.5831, 0.5201, 0.4204



5.8878, 0.1782, 0.1575

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.



10.5831, 0.1677, 0.1667



10.5831, 0.5201, 0.4204



10.5831, 0.1322, 0.2507

Square

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



10.5831, 0.5201, 0.4204



10.5831, 0.2470, 0.5027



10.5831, 0.1333, 0.1873



10.5831, 0.3504, 0.2148

Rectangle

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



10.5831, 0.5201, 0.4204



10.5831, 0.3838, 0.5397



10.5831, 0.1333, 0.1873



10.5831, 0.2112, 0.1706

Sweetspot

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



10.5837, 0.5201, 0.4204



34.2802, 0.3645, 0.3686



5.9192, 0.4951, 0.2537



7.4312, 0.3723, 0.3738



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.5837, 0.5201, 0.4204



17.7560, 0.5305, 0.4170



23.2197, 0.4128, 0.5078



5.4616, 0.3268, 0.3407



9.4308, 0.5272, 0.4196



0.0920, 0.4711, 0.4641

Inverse Universe

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



5.8878, 0.1782, 0.1575



9.4574, 0.1742, 0.1471



2.0059, 0.1538, 0.0648



5.2516, 0.2991, 0.3170



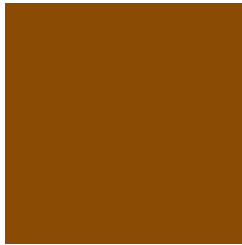
5.1096, 0.1754, 0.1514



0.0628, 0.1974, 0.2306

Previews

White Background



This preview shows how the Yxy color 10.5831, 0.5201, 0.4204 looks on a white background.

Color Contrast Check

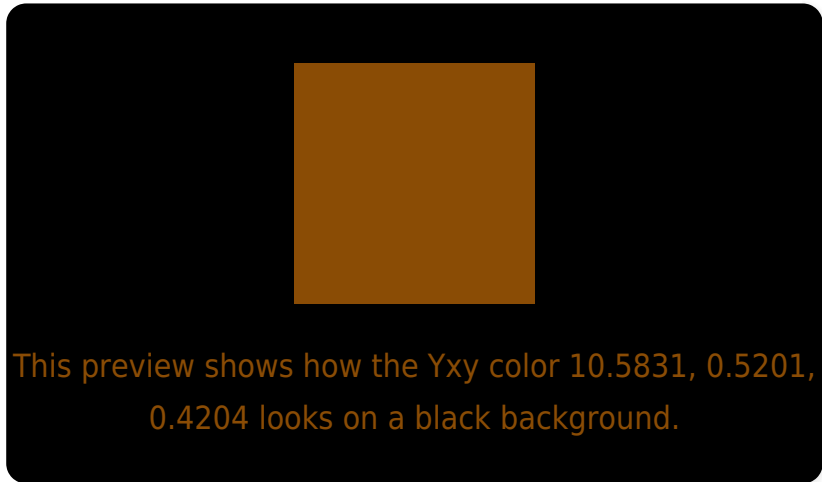
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5831, 0.5201, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 10.5831, 0.5201, 0.4204.



This preview shows how white text looks on a background with the Yxy color 10.5831, 0.5201, 0.4204.

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

10.5831, 0.5201, 0.4204

Protanopia

10.6239, 0.4341, 0.4803

Deuteranopia

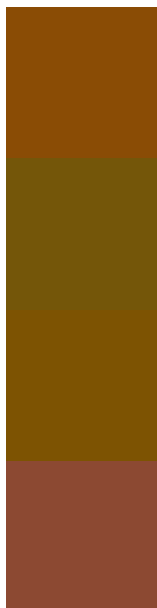
10.5983, 0.4708, 0.4644



Tritanopia

10.6910, 0.4358, 0.3204

Trichromacy



Original Color

10.5831, 0.5201, 0.4204

Protanomaly

10.3883, 0.4666, 0.4582

Deuteranomaly

10.5509, 0.4900, 0.4471

Tritanomaly

10.5708, 0.4803, 0.3686

Monochromacy



Original Color

10.5831, 0.5201, 0.4204

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3333, 0.3979, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5831, 0.5201, 0.4204 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(138, 76, 5)` looks like.

```
.text, #text, p{  
    color:rgb(138, 76, 5)  
}
```

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(138, 76, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 76, 5) }
```

Border

The CSS property to change the border of an element to Yxy 10.5831, 0.5201, 0.4204 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(138, 76, 5) }
```

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

```
.border{ border-color:rgb(138, 76, 5) }
```

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

Here you see how a box with a 4 pixel rgb(138, 76, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 76, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 76, 5);  
box-shadow:4px 4px 4px 4px rgb(138, 76, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5831, 0.5201, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 76, 5) }
```

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

```
.background{ background-color: rgb(138, 76,  
5) }
```

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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