

Converting Colors

$Y_{xy}(10.4234, 0.5178, 0.4271)$

Have a look what the booklet for
Yxy(10.4234, 0.5178, 0.4271)
contains.

Yxy(10.4587, 0.5171, 0.4276)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4587, 0.5171, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	874D00
RGB	135, 77, 0
RGB Percent	53%, 30%, 0%
CMY	0.4705, 0.6981, 0.9999
CMYK	0.00, 0.43, 1.00, 0.47
HSL	34°, 100%, 26%
HSV	34°, 100%, 53%
XYZ	12.6478, 10.4587, 1.3526
YIQ	85.5640, 59.2850, -11.6510

Conversions

Conversions Part 2

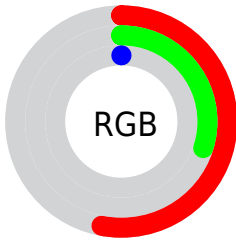
Format	Color
RYB	102, 135, 0
Decimal	8867072
CIELab	38.65, 19.69, 47.91
CIELCh	39, 51.800, 67.656
Yxy	10.4587, 0.5171, 0.4276
Android (android.graphics.Color)	4287057152 (0xFF874D00)
YUV	85.5640, -42.1831, 43.3554
Hunter-Lab	32.3399, 13.2146, 20.1582

Details

The Yxy color **10.4587, 0.5171, 0.4276** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7804, 0.1722, 0.1397**, and the grayscale version is **9.2911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5350, 0.4723, 0.4157**, and **2.6953, 0.5535, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **10.4580, 0.5171, 0.4276**, and if you desaturate by 10%, it is **11.3382, 0.4984, 0.4298**.

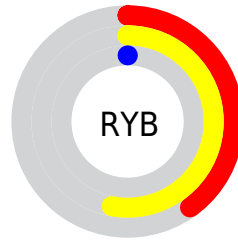
Distribution



Red (53%)

Green (30%)

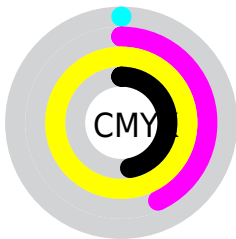
Blue (0%)



Red (40%)

Yellow (53%)

Blue (0%)

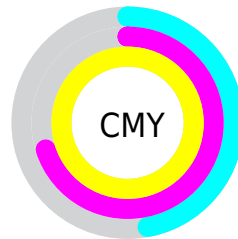


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4587, 0.5171, 0.4276 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 10.4587, 0.5171, 0.4276 by changing the saturation by 10% instead.


 10.4587, 0.5171,
0.4276


 10.4587, 0.5171,
0.4276


 193.9153, 0.3986,
0.3820


 5.7041, 0.5556,
0.4364

 26.6548, 0.4722,
0.4158


 2.6660, 0.5795,
0.4205

 38.8651, 0.4555,
0.4094

 0.9600, 0.6128,
0.3872

 54.3294, 0.4417,
0.4034

 0.0000, 1.0000,
0.0000

 73.4321, 0.4301,
0.3981


 0.0000, 0.0000,
0.0000


 96.5577, 0.4204,
0.3934


 124.0905, 0.4120,

0.3891


 156.4149, 0.4049,
0.3854

 10.4587, 0.5171,
0.4276

 10.4587, 0.5171,
0.4276


 10.4580, 0.5171,
0.4276

 11.3382, 0.4984,
0.4298

 12.3100, 0.4779,
0.4284

 13.3865, 0.4552,
0.4224

 14.5729, 0.4315,
0.4127

 15.8740, 0.4080,
0.4003

■ 17.2940, 0.3854,
0.3863

■ 18.8367, 0.3644,
0.3716

■ 20.5060, 0.3453,
0.3569

■ 22.3052, 0.3281,
0.3426

Harmonies

Analogous

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



10.4587, 0.5384, 0.3500



10.4587, 0.5171, 0.4276



10.4587, 0.4408, 0.5071

Triad

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



10.4587, 0.5171, 0.4276



10.4587, 0.1623, 0.3571



10.4587, 0.2475, 0.1784

Complementary

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



10.4587, 0.5171, 0.4276



4.7804, 0.1722, 0.1397

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.



10.4587, 0.1713, 0.1653



10.4587, 0.5171, 0.4276



10.4587, 0.1296, 0.2421

Square

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



10.4587, 0.5171, 0.4276



10.4587, 0.2379, 0.4952



10.4587, 0.1338, 0.1829



10.4587, 0.3616, 0.2183

Rectangle

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



10.4587, 0.5171, 0.4276



10.4587, 0.3750, 0.5449



10.4587, 0.1338, 0.1829



10.4587, 0.2174, 0.1709

Sweetspot

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



10.4593, 0.5171, 0.4276



33.5269, 0.3658, 0.3726



5.4636, 0.5180, 0.2627



7.5249, 0.3734, 0.3781



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.



10.4593, 0.5171, 0.4276



18.4010, 0.5198, 0.4255



21.7698, 0.4080, 0.5142



5.0966, 0.3266, 0.3414



9.6678, 0.5167, 0.4279



0.0480, 0.4655, 0.4686

Inverse Universe

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



4.7804, 0.1722, 0.1397



8.2500, 0.1711, 0.1358



1.8084, 0.1530, 0.0616



4.8493, 0.2992, 0.3163



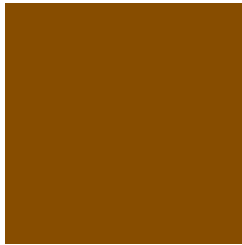
4.4314, 0.1723, 0.1403



0.0294, 0.1948, 0.2213

Previews

White Background



This preview shows how the Yxy color 10.4587, 0.5171, 0.4276 looks on a white background.

Color Contrast Check

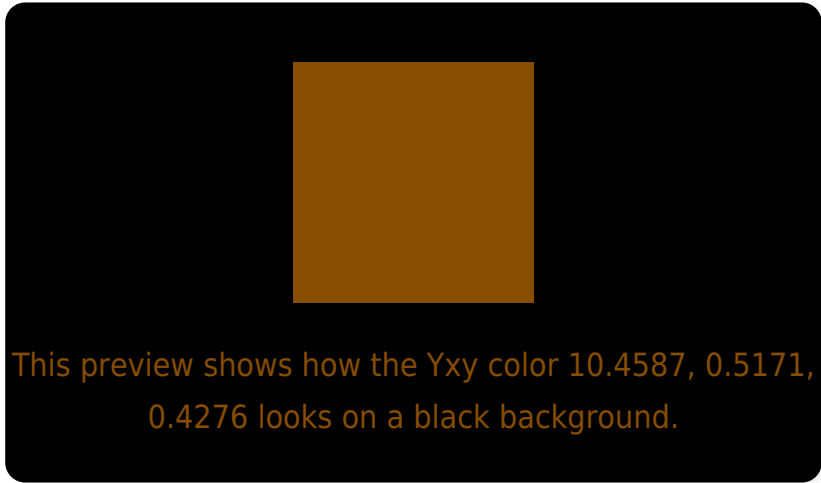
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4587, 0.5171, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 10.4587, 0.5171, 0.4276.



This preview shows how white text looks on a background with the Yxy color 10.4587, 0.5171, 0.4276.

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

10.4587, 0.5171, 0.4276

Protanopia

10.5620, 0.4330, 0.4823

Deuteranopia

10.5294, 0.4692, 0.4656



Tritanopia

10.5738, 0.4281, 0.3201

Trichromacy



Original Color

10.4587, 0.5171, 0.4276

Protanomaly

10.4766, 0.4641, 0.4623

Deuteranomaly

10.3975, 0.4881, 0.4506

Tritanomaly

10.4377, 0.4761, 0.3731

Monochromacy



Original Color

10.4587, 0.5171, 0.4276

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.4054, 0.3984, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4587, 0.5171, 0.4276 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(135, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 77, 0)  
}
```

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(135, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.4587, 0.5171, 0.4276 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(135, 77, 0) }
```

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

```
.border{ border-color:rgb(135, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(135, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4587, 0.5171, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 77, 0) }
```

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

```
.background{ background-color: rgb(135, 77,  
0) }
```

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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