

Converting Colors

$Y_{xy}(11.7530, 0.4754, 0.3894)$

Have a look what the booklet for
Yxy(11.7530, 0.4754, 0.3894)
contains.

Yxy(11.6576, 0.4752, 0.3887)	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(11.6576, 0.4752, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	8C512E
RGB	140, 81, 46
RGB Percent	55%, 32%, 18%
CMY	0.4509, 0.6824, 0.8197
CMYK	0.00, 0.42, 0.67, 0.45
HSL	22°, 51%, 36%
HSV	22°, 67%, 55%
XYZ	14.2518, 11.6576, 4.0818
YIQ	94.6510, 46.3990, 1.6230

Conversions

Conversions Part 2

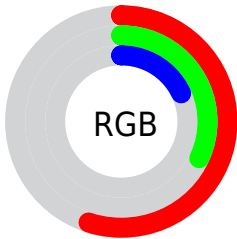
Format	Color
R_{YB}	140, 102, 46
Decimal	9195822
CIE _{Lab}	40.67, 21.38, 30.76
CIE _{LCh}	41, 37.464, 55.204
Yxy	11.6576, 0.4752, 0.3887
Android (android.graphics.Color)	4287385902 (0xFF8C512E)
YUV	94.6510, -23.9849, 39.7711
Hunter-Lab	34.1432, 14.7577, 16.8122

Details

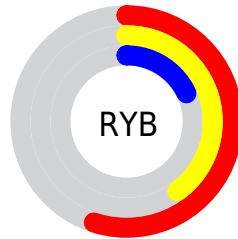
The Yxy color **11.6576, 0.4752, 0.3887** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5760, 0.2176, 0.2507**, and the grayscale version is **11.4060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8932, 0.4346, 0.3792**, and **3.1805, 0.5549, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **10.3428, 0.5078, 0.3917**, and if you desaturate by 10%, it is **13.1787, 0.4431, 0.3824**.

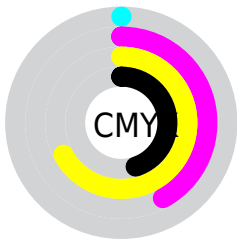
Distribution



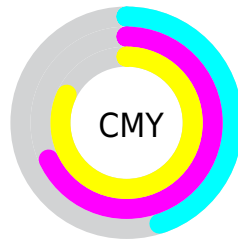
- Red (55%)
- Green (32%)
- Blue (18%)



- Red (55%)
- Yellow (40%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (67%)
- Black (45%)





- Cyan (45%)
- Magenta (68%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6576, 0.4752, 0.3887 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 11.6576, 0.4752, 0.3887 by changing the saturation by 10% instead.


 11.6576, 0.4752,
0.3887


 11.6576, 0.4752,
0.3887


202.1251, 0.3767,
0.3587

 6.5110, 0.5060,
0.3932


 28.8699, 0.4347,
0.3789


 3.1582, 0.5566,
0.4002

 41.7044, 0.4209,
0.3748


 1.2149, 0.6132,
0.3868

 57.8704, 0.4098,
0.3711

 0.0738, 0.8892,
0.1108

 77.7521, 0.4008,
0.3679

 0.0000, 0.0000,
0.0000

 101.7341, 0.3932,
0.3651

 130.2006, 0.3869,

0.3627

163.5362, 0.3814,
0.3606

■ 11.6576, 0.4752,
0.3887

■ 11.6576, 0.4752,
0.3887

■ 10.3428, 0.5078,
0.3917

■ 13.1787, 0.4431,
0.3824

■ 9.2223, 0.5386,
0.3903

■ 14.9135, 0.4132,
0.3740

■ 8.2832, 0.5658,
0.3845

■ 16.8713, 0.3861,
0.3645

■ 8.0450, 0.5735,
0.3828

■ 19.0600, 0.3623,
0.3546

■ 21.4875, 0.3417,
0.3448

■ 24.1608, 0.3239,
0.3354

■ 27.0870, 0.3086,
0.3266

■ 30.2728, 0.2956,
0.3184

■ 33.7244, 0.2844,
0.3109

Harmonies

Analogous

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



11.6576, 0.4615, 0.3288



11.6576, 0.4752, 0.3887



11.6576, 0.4400, 0.4456

Triad

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



11.6576, 0.4752, 0.3887



11.6576, 0.2253, 0.3898



11.6576, 0.2389, 0.2079

Complementary

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



11.6576, 0.4752, 0.3887



12.5760, 0.2176, 0.2507

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.



11.6576, 0.1909, 0.2088



11.6576, 0.4752, 0.3887



11.6576, 0.1828, 0.3011

Square

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



11.6576, 0.4752, 0.3887



11.6576, 0.2947, 0.4643



11.6576, 0.1720, 0.2382



11.6576, 0.3135, 0.2310

Rectangle

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



11.6576, 0.4752, 0.3887



11.6576, 0.3978, 0.4734



11.6576, 0.1720, 0.2382



11.6576, 0.2197, 0.2053

Sweetspot

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



11.6582, 0.4752, 0.3887



36.4339, 0.3481, 0.3479



8.5599, 0.3849, 0.2293



8.1492, 0.3532, 0.3504



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



11.6582, 0.4752, 0.3887



17.0946, 0.5253, 0.3915



21.0747, 0.4150, 0.4613



5.3339, 0.3272, 0.3372



7.1827, 0.5726, 0.3835



0.0741, 0.5013, 0.4401

Inverse Universe

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



12.5760, 0.2176, 0.2507



18.7186, 0.2023, 0.2290



5.5529, 0.1925, 0.1444



5.3807, 0.2991, 0.3207



7.9024, 0.1905, 0.2058



0.0807, 0.2075, 0.2670

Previews

White Background



This preview shows how the Yxy color 11.6576, 0.4752, 0.3887 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 11.6576, 0.4752, 0.3887 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 11.6576, 0.4752, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 11.6576, 0.4752, 0.3887.



This preview shows how white text looks on a background with the Yxy color 11.6576, 0.4752, 0.3887.

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

11.6576, 0.4752, 0.3887

Protanopia

11.6689, 0.3941, 0.4288

Deuteranopia

11.7506, 0.4309, 0.4265



Tritanopia

11.6677, 0.4209, 0.3203

Trichromacy



Original Color

11.6576, 0.4752, 0.3887

Protanomaly

11.5555, 0.4227, 0.4151

Deuteranomaly

11.6733, 0.4481, 0.4119

Tritanomaly

11.5412, 0.4426, 0.3455

Monochromacy



Original Color

11.6576, 0.4752, 0.3887

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2277, 0.3684, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6576, 0.4752, 0.3887 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(140, 81, 46)` looks like.

```
.text, #text, p{  
    color:rgb(140, 81, 46)  
}
```

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(140, 81, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 81, 46) }
```

Border

The CSS property to change the border of an element to Yxy 11.6576, 0.4752, 0.3887 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(140, 81, 46) }
```

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

```
.border{ border-color:rgb(140, 81, 46) }
```

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

Here you see how a box with a 4 pixel rgb(140, 81, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 81, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 81, 46);  
box-shadow:4px 4px 4px 4px rgb(140, 81,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6576, 0.4752, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 81, 46) }
```

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

```
.background{ background-color: rgb(140, 81,  
46) }
```

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