

Converting Colors

$Y_{xy}(12.8662, 0.4782, 0.3945)$

Have a look what the booklet for
Yxy(12.8662, 0.4782, 0.3945)
contains.

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Color

Yxy(12.9560, 0.4777, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	92562D
RGB	146, 86, 45
RGB Percent	57%, 34%, 18%
CMY	0.4275, 0.6627, 0.8235
CMYK	0.00, 0.41, 0.69, 0.43
HSL	24°, 53%, 37%
HSV	24°, 69%, 57%
XYZ	15.6527, 12.9560, 4.1581
YIQ	99.2660, 48.9210, -0.0310

Conversions

Conversions Part 2

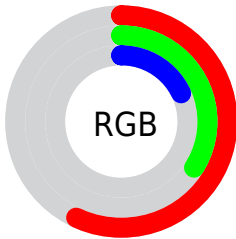
Format	Color
R_{YB}	146, 114, 45
Decimal	9590317
CIE _{Lab}	42.70, 21.06, 33.85
CIE _{LCh}	43, 39.868, 58.111
Yxy	12.9560, 0.4777, 0.3954
Android (android.graphics.Color)	4287780397 (0xFF92562D)
YUV	99.2660, -26.7531, 40.9857
Hunter-Lab	35.9944, 14.6331, 18.3469

Details

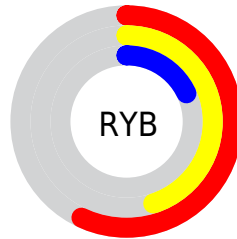
The Yxy color **12.9560, 0.4777, 0.3954** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.7277, 0.2132, 0.2397**, and the grayscale version is **12.6082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2184, 0.4393, 0.3848**, and **3.7417, 0.5473, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **11.5614, 0.5086, 0.3981**, and if you desaturate by 10%, it is **14.5587, 0.4467, 0.3890**.

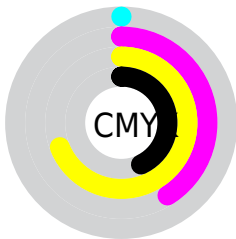
Distribution



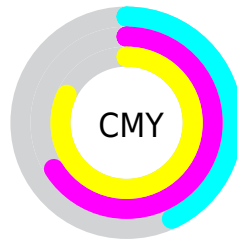
- Red (57%)
- Green (34%)
- Blue (18%)



- Red (57%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (41%)
- Yellow (69%)
- Black (43%)




- Cyan (43%)
- Magenta (66%)
- Yellow (82%)
- Black (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9560, 0.4777, 0.3954 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 12.9560, 0.4777, 0.3954 by changing the saturation by 10% instead.


 12.9560, 0.4777,
0.3954


 12.9560, 0.4777,
0.3954


210.6355, 0.3796,
0.3624


 7.3983, 0.5070,
0.4004


 31.2247, 0.4381,
0.3848


 3.7124, 0.5526,
0.4069

 44.7045, 0.4244,
0.3802


 1.5140, 0.6037,
0.3963

 61.5937, 0.4133,
0.3762

 0.2986, 0.7277,
0.2723

 82.2768, 0.4041,
0.3727

 0.0000, 0.0000,
0.0000

 107.1381, 0.3965,
0.3696

 136.5620, 0.3900,

0.3669

170.9331, 0.3844,
0.3645

■ 12.9560, 0.4777,
0.3954

■ 12.9560, 0.4777,
0.3954

■ 11.5614, 0.5086,
0.3981

■ 14.5587, 0.4467,
0.3890

■ 10.3628, 0.5372,
0.3962

■ 16.3769, 0.4173,
0.3801

■ 9.3446, 0.5627,
0.3902

■ 18.4198, 0.3904,
0.3699

■ 9.2675, 0.5648,
0.3898

■ 20.6955, 0.3664,
0.3591

■ 23.2117, 0.3454,
0.3484

■ 25.9755, 0.3272,
0.3380

■ 28.9939, 0.3115,
0.3282

■ 32.2735, 0.2980,
0.3191

■ 35.8206, 0.2863,
0.3107

Harmonies

Analogous

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



12.9560, 0.4693, 0.3342



12.9560, 0.4777, 0.3954



12.9560, 0.4372, 0.4529

Triad

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



12.9560, 0.4777, 0.3954



12.9560, 0.2173, 0.3824



12.9560, 0.2433, 0.2065

Complementary

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



12.9560, 0.4777, 0.3954



12.7277, 0.2132, 0.2397

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.



12.9560, 0.1916, 0.2048



12.9560, 0.4777, 0.3954



12.9560, 0.1773, 0.2923

Square

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



12.9560, 0.4777, 0.3954



12.9560, 0.2862, 0.4633



12.9560, 0.1695, 0.2315



12.9560, 0.3218, 0.2323

Rectangle

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



12.9560, 0.4777, 0.3954



12.9560, 0.3923, 0.4798



12.9560, 0.1695, 0.2315



12.9560, 0.2228, 0.2031

Sweetspot

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



12.9567, 0.4777, 0.3954



39.9241, 0.3499, 0.3508



9.0177, 0.3957, 0.2322



8.6379, 0.3549, 0.3534



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.9567, 0.4777, 0.3954



19.1959, 0.5248, 0.3977



23.8733, 0.4143, 0.4684



6.1791, 0.3273, 0.3380



8.1996, 0.5639, 0.3904



0.1558, 0.4942, 0.4458

Inverse Universe

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



12.7277, 0.2132, 0.2397



18.6573, 0.1978, 0.2159



5.3741, 0.1871, 0.1316



6.1710, 0.2989, 0.3198



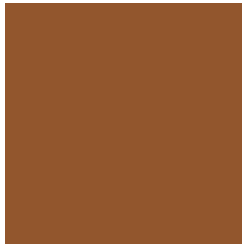
7.8258, 0.1871, 0.1935



0.1538, 0.2056, 0.2600

Previews

White Background



This preview shows how the Yxy color 12.9560, 0.4777, 0.3954 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 12.9560, 0.4777, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

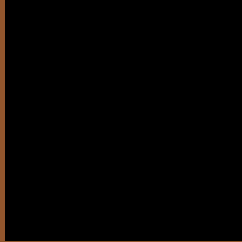
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9560, 0.4777, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 12.9560, 0.4777, 0.3954.



This preview shows how white text looks on a background with the Yxy color 12.9560, 0.4777, 0.3954.

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

12.9560, 0.4777, 0.3954

Protanopia

12.9824, 0.3999, 0.4358

Deuteranopia

12.9685, 0.4377, 0.4298



Tritanopia

12.8689, 0.4182, 0.3189

Trichromacy



Original Color

12.9560, 0.4777, 0.3954

Protanomaly

12.8642, 0.4274, 0.4220

Deuteranomaly

12.8153, 0.4528, 0.4164

Tritanomaly

12.8574, 0.4415, 0.3484

Monochromacy



Original Color

12.9560, 0.4777, 0.3954

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2829, 0.3710, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9560, 0.4777, 0.3954 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(146, 86, 45)` looks like.

```
.text, #text, p{  
    color:rgb(146, 86, 45)  
}
```

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(146, 86, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 86, 45) }
```

Border

The CSS property to change the border of an element to Yxy 12.9560, 0.4777, 0.3954 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(146, 86, 45) }
```

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

```
.border{ border-color:rgb(146, 86, 45) }
```

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

Here you see how a box with a 4 pixel rgb(146, 86, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 86, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 86, 45);  
box-shadow:4px 4px 4px 4px rgb(146, 86,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9560, 0.4777, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 86, 45) }
```

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

```
.background{ background-color: rgb(146, 86,  
45) }
```

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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