

Converting Colors

$Y_{xy}(16.2361, 0.4353, 0.4058)$

Have a look what the booklet for
Yxy(16.2361, 0.4353, 0.4058)
contains.

Yxy(16.2361, 0.4353, 0.4058)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2361, 0.4353, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	91683B
RGB	145, 104, 59
RGB Percent	57%, 41%, 23%
CMY	0.4314, 0.5921, 0.7685
CMYK	0.00, 0.28, 0.59, 0.43
HSL	31°, 42%, 40%
HSV	31°, 59%, 57%
XYZ	17.4164, 16.2361, 6.3576
YIQ	111.1290, 38.8810, -5.3030

Conversions

Conversions Part 2

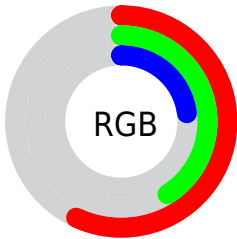
Format	Color
R_{YB}	137, 145, 59
Decimal	9529403
CIE Lab	47.28, 11.22, 31.52
CIE LCh	47, 33.457, 70.398
Yxy	16.2361, 0.4353, 0.4058
Android (android.graphics.Color)	4287719483 (0xFF91683B)
YUV	111.1290, -25.6996, 29.7049
Hunter-Lab	40.2940, 6.6389, 18.8510

Details

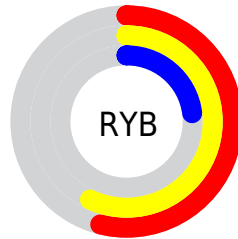
The Yxy color **16.2361, 0.4353, 0.4058** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.0925, 0.2203, 0.2322**, and the grayscale version is **16.0044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9217, 0.4075, 0.3911**, and **5.1795, 0.4834, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **14.7714, 0.4611, 0.4147**, and if you desaturate by 10%, it is **17.8583, 0.4100, 0.3943**.

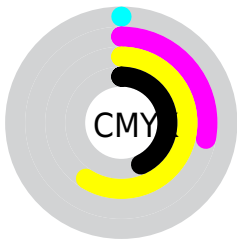
Distribution



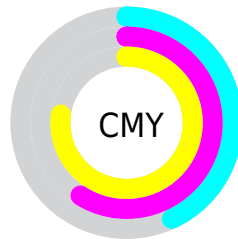
- Red (57%)
- Green (41%)
- Blue (23%)



- Red (54%)
- Yellow (57%)
- Blue (23%)



- Cyan (0%)
- Magenta (28%)
- Yellow (59%)
- Black (43%)





- Cyan (43%)
- Magenta (59%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2361, 0.4353, 0.4058 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 16.2361, 0.4353, 0.4058 by changing the saturation by 10% instead.


 16.2361, 0.4353,
0.4058


 16.2361, 0.4353,
0.4058


 230.7309, 0.3644,
0.3645

 9.6914, 0.4559,
0.4157


 37.0076, 0.4072,
0.3906


 5.1948, 0.4835,
0.4269

 52.0032, 0.3973,
0.3849


 2.3620, 0.5437,
0.4563

 70.5845, 0.3893,
0.3801

 0.8062, 0.5671,
0.4329

 93.1359, 0.3826,
0.3760

 0.0000, 0.0000,
0.0000

 120.0419, 0.3769,
0.3725

 151.6868, 0.3721,

0.3694

188.4550, 0.3680,
0.3668

■ 16.2361, 0.4353,
0.4058

■ 16.2361, 0.4353,
0.4058

■ 14.7714, 0.4611,
0.4147

■ 17.8583, 0.4100,
0.3943

■ 13.4555, 0.4863,
0.4199

■ 19.6415, 0.3862,
0.3812

■ 12.2824, 0.5092,
0.4203

■ 21.5917, 0.3643,
0.3676

■ 11.2389, 0.5298,
0.4166

■ 23.7141, 0.3446,
0.3539

■ 11.1686, 0.5313,
0.4164

■ 26.0136, 0.3271,
0.3407

■ 28.4946, 0.3117,
0.3281

■ 31.1615, 0.2981,
0.3164

■ 34.0187, 0.2862,
0.3055

■ 37.0702, 0.2758,
0.2955

Harmonies

Analogous

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



16.2361, 0.4433, 0.3568



16.2361, 0.4353, 0.4058



16.2361, 0.3933, 0.4425

Triad

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



16.2361, 0.4353, 0.4058



16.2361, 0.2209, 0.3418



16.2361, 0.2820, 0.2359

Complementary

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



16.2361, 0.4353, 0.4058



12.0925, 0.2203, 0.2322

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.



16.2361, 0.2298, 0.2264



16.2361, 0.4353, 0.4058



16.2361, 0.1976, 0.2790

Square

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



16.2361, 0.4353, 0.4058



16.2361, 0.2691, 0.4092



16.2361, 0.2010, 0.2399



16.2361, 0.3491, 0.2645

Rectangle

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



16.2361, 0.4353, 0.4058



16.2361, 0.3537, 0.4510



16.2361, 0.2010, 0.2399



16.2361, 0.2624, 0.2304

Sweetspot

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



16.2369, 0.4353, 0.4058



42.8358, 0.3430, 0.3527



10.0815, 0.3994, 0.2586



9.2984, 0.3479, 0.3562



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.



16.2369, 0.4353, 0.4058



25.6753, 0.4693, 0.4169



26.4542, 0.3929, 0.4652



5.8616, 0.3269, 0.3405



9.6331, 0.5304, 0.4171



0.1363, 0.4728, 0.4628

Inverse Universe

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



12.0925, 0.2203, 0.2322



17.5650, 0.2024, 0.2060



6.1503, 0.2028, 0.1456



5.6526, 0.2990, 0.3172



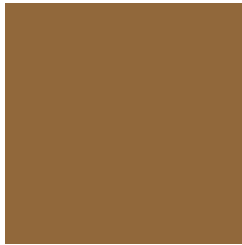
5.4701, 0.1762, 0.1545



0.0959, 0.1981, 0.2332

Previews

White Background



This preview shows how the Yxy color 16.2361, 0.4353, 0.4058 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 16.2361, 0.4353, 0.4058 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 16.2361, 0.4353, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 16.2361, 0.4353, 0.4058.



This preview shows how white text looks on a background with the Yxy color 16.2361, 0.4353, 0.4058.

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

16.2361, 0.4353, 0.4058

Protanopia

16.4431, 0.3922, 0.4275

Deuteranopia

16.2242, 0.4232, 0.4161



Tritanopia

16.3538, 0.3772, 0.3171

Trichromacy



Original Color

16.2361, 0.4353, 0.4058

Protanomaly

16.3943, 0.4079, 0.4196

Deuteranomaly

16.2763, 0.4286, 0.4128

Tritanomaly

16.3245, 0.4005, 0.3502

Monochromacy



Original Color

16.2361, 0.4353, 0.4058

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7088, 0.3554, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2361, 0.4353, 0.4058 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(145, 104, 59)` looks like.

```
.text, #text, p{  
    color:rgb(145, 104, 59)  
}
```

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(145, 104, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 104, 59) }
```

Border

The CSS property to change the border of an element to Yxy 16.2361, 0.4353, 0.4058 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(145, 104, 59) }
```

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

```
.border{ border-color:rgb(145, 104, 59) }
```

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

Here you see how a box with a 4 pixel rgb(145, 104, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 104, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 104, 59);  
box-shadow:4px 4px 4px 4px rgb(145, 104,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2361, 0.4353, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 104, 59) }
```

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

```
.background{ background-color: rgb(145,  
104, 59) }
```

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