

Converting Colors

$Y_{xy}(16.1620, 0.4750, 0.3859)$

Have a look what the booklet for
Yxy(16.1620, 0.4750, 0.3859)
contains.

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Color

Yxy(16.0775, 0.4753, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	A35E38
RGB	163, 94, 56
RGB Percent	64%, 37%, 22%
CMY	0.3609, 0.6313, 0.7804
CMYK	0.00, 0.42, 0.66, 0.36
HSL	21°, 49%, 43%
HSV	21°, 66%, 64%
XYZ	19.8175, 16.0775, 5.7997
YIQ	110.2990, 53.3220, 2.8100

Conversions

Conversions Part 2

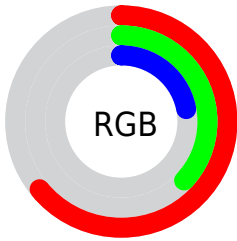
Format	Color
R_{YB}	163, 115, 56
Decimal	10706488
CIE _{Lab}	47.08, 24.61, 33.50
CIE _{LCh}	47, 41.568, 53.700
Yxy	16.0775, 0.4753, 0.3856
Android (android.graphics.Color)	4288896568 (0xFFA35E38)
YUV	110.2990, -26.7694, 46.2188
Hunter-Lab	40.0968, 18.0530, 19.4918

Details

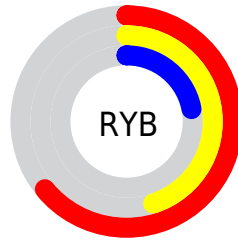
The Yxy color **16.0775, 0.4753, 0.3856** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.1410, 0.2192, 0.2554**, and the grayscale version is **15.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7799, 0.4386, 0.3773**, and **5.1830, 0.5383, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **14.2006, 0.5091, 0.3885**, and if you desaturate by 10%, it is **18.2624, 0.4422, 0.3794**.

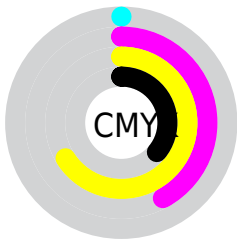
Distribution



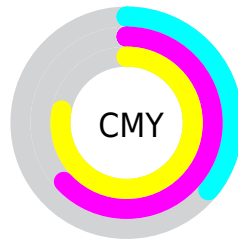
- Red (64%)
- Green (37%)
- Blue (22%)



- Red (64%)
- Yellow (45%)
- Blue (22%)



- Cyan (0%)
- Magenta (42%)
- Yellow (66%)
- Black (36%)




- Cyan (36%)
- Magenta (63%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0775, 0.4753, 0.3856 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 16.0775, 0.4753, 0.3856 by changing the saturation by 10% instead.


 16.0775, 0.4753,
0.3856


 16.0775, 0.4753,
0.3856


229.7986, 0.3808,
0.3590


 9.5790, 0.5027,
0.3893


 36.7327, 0.4378,
0.3774


 5.1207, 0.5392,
0.3905

 51.6582, 0.4247,
0.3737


 2.3183, 0.6051,
0.3949

 70.1615, 0.4139,
0.3705

 0.7834, 0.6496,
0.3504

 92.6270, 0.4050,
0.3676

 0.0000, 1.0000,
0.0000

 119.4390, 0.3975,
0.3651

 0.0000, 0.0000,
0.0000

 150.9820, 0.3912,

0.3628

187.6404, 0.3856,
0.3608

■ 16.0775, 0.4753,
0.3856

■ 16.0775, 0.4753,
0.3856

■ 14.2006, 0.5091,
0.3885

■ 18.2624, 0.4422,
0.3794

■ 12.6137, 0.5413,
0.3870

■ 20.7669, 0.4115,
0.3712

■ 11.2998, 0.5690,
0.3807

■ 23.6050, 0.3840,
0.3619

■ 10.8024, 0.5803,
0.3774

■ 26.7892, 0.3600,
0.3523

■ 30.3311, 0.3393,
0.3428

■ 34.2418, 0.3215,
0.3338

■ 38.5320, 0.3064,
0.3254

■ 43.2118, 0.2935,
0.3176

■ 48.2910, 0.2825,
0.3105

Harmonies

Analogous

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



16.0775, 0.4589, 0.3259



16.0775, 0.4753, 0.3856



16.0775, 0.4423, 0.4427

Triad

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



16.0775, 0.4753, 0.3856



16.0775, 0.2285, 0.3941



16.0775, 0.2360, 0.2077

Complementary

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



16.0775, 0.4753, 0.3856



18.1410, 0.2192, 0.2554

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.



16.0775, 0.1896, 0.2099



16.0775, 0.4753, 0.3856



16.0775, 0.1845, 0.3052

Square

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



16.0775, 0.4753, 0.3856



16.0775, 0.2987, 0.4662



16.0775, 0.1722, 0.2409



16.0775, 0.3093, 0.2296

Rectangle

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



16.0775, 0.4753, 0.3856



16.0775, 0.4011, 0.4714



16.0775, 0.1722, 0.2409



16.0775, 0.2173, 0.2055

Sweetspot

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



16.0783, 0.4753, 0.3856



51.2540, 0.3487, 0.3473



12.1068, 0.3806, 0.2275



11.1343, 0.3543, 0.3498



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.0783, 0.4753, 0.3856



24.0046, 0.5250, 0.3884



28.9159, 0.4158, 0.4583



7.4787, 0.3276, 0.3370



8.4770, 0.5787, 0.3787



0.2649, 0.5131, 0.4308

Inverse Universe

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



18.1410, 0.2192, 0.2554



27.8116, 0.2046, 0.2354



8.1248, 0.1943, 0.1495



7.5856, 0.2987, 0.3208



10.0063, 0.1919, 0.2107



0.2943, 0.2052, 0.2586

Previews

White Background



This preview shows how the Yxy color 16.0775, 0.4753, 0.3856 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 16.0775, 0.4753, 0.3856 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 16.0775, 0.4753, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 16.0775, 0.4753, 0.3856.



This preview shows how white text looks on a background with the Yxy color 16.0775, 0.4753, 0.3856.

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

16.0775, 0.4753, 0.3856

Protanopia

16.1471, 0.3916, 0.4264

Deuteranopia

16.1757, 0.4290, 0.4236



Tritanopia

15.9886, 0.4221, 0.3183

Trichromacy



Original Color

16.0775, 0.4753, 0.3856

Protanomaly

15.8327, 0.4230, 0.4096

Deuteranomaly

15.9721, 0.4466, 0.4088

Tritanomaly

15.9688, 0.4436, 0.3450

Monochromacy



Original Color

16.0775, 0.4753, 0.3856

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3059, 0.3690, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0775, 0.4753, 0.3856 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(163, 94, 56)` looks like.

```
.text, #text, p{  
  color:rgb(163, 94, 56)  
}
```

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(163, 94, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 94, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.0775, 0.4753, 0.3856 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(163, 94, 56) }
```

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

```
.border{ border-color:rgb(163, 94, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 94, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 94, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 94, 56);  
box-shadow:4px 4px 4px 4px rgb(163, 94,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0775, 0.4753, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 94, 56) }
```

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

```
.background{ background-color: rgb(163, 94,  
56) }
```

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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