

Converting Colors

$Y_{xy}(18.8849, 0.4527, 0.3940)$

Have a look what the booklet for
Yxy(18.8849, 0.4527, 0.3940)
contains.

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Color

Yxy(18.8849, 0.4527, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	A56B40
RGB	165, 107, 64
RGB Percent	65%, 42%, 25%
CMY	0.3530, 0.5804, 0.7491
CMYK	0.00, 0.35, 0.61, 0.35
HSL	26°, 44%, 45%
HSV	26°, 61%, 65%
XYZ	21.6985, 18.8849, 7.3479
YIQ	119.4400, 48.3710, -1.0770

Conversions

Conversions Part 2

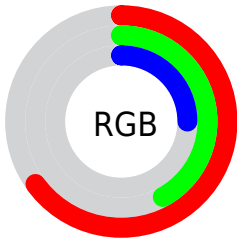
Format	Color
R _Y B	165, 139, 64
Decimal	10840896
CIE Lab	50.55, 18.72, 33.32
CIE LCh	51, 38.219, 60.667
Yxy	18.8849, 0.4527, 0.3940
Android (android.graphics.Color)	4289030976 (0xFFA56B40)
YUV	119.4400, -27.3319, 39.9561
Hunter-Lab	43.4568, 13.0778, 20.3947

Details

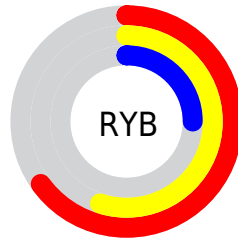
The Yxy color **18.8849, 0.4527, 0.3940** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.7138, 0.2210, 0.2469**, and the grayscale version is **18.6715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6765, 0.4213, 0.3833**, and **6.4228, 0.5052, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **16.8571, 0.4832, 0.4000**, and if you desaturate by 10%, it is **21.1865, 0.4232, 0.3851**.

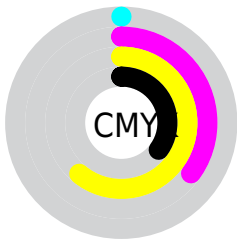
Distribution



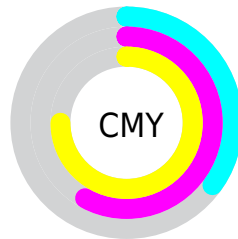
- Red (65%)
- Green (42%)
- Blue (25%)



- Red (65%)
- Yellow (55%)
- Blue (25%)



- Cyan (0%)
- Magenta (35%)
- Yellow (61%)
- Black (35%)





- Cyan (35%)
- Magenta (58%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8849, 0.4527, 0.3940 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 18.8849, 0.4527, 0.3940 by changing the saturation by 10% instead.


 18.8849, 0.4527,
0.3940


 18.8849, 0.4527,
0.3940


245.8126, 0.3731,
0.3616


 11.5871, 0.4752,
0.4004


 41.5395, 0.4216,
0.3830


 6.4632, 0.5049,
0.4065


 57.6652, 0.4106,
0.3785


 3.1287, 0.5597,
0.4204

 77.5022, 0.4015,
0.3747

 1.1993, 0.5996,
0.4004

 101.4351, 0.3939,
0.3714

 0.0611, 0.8939,
0.1061

 129.8482, 0.3875,
0.3685

 0.0000, 0.0000,
0.0000

 163.1259, 0.3820,

0.3659

201.6525, 0.3773,
0.3636

■ 18.8849, 0.4527,
0.3940

■ 18.8849, 0.4527,
0.3940

■ 16.8571, 0.4832,
0.4000

■ 21.1865, 0.4232,
0.3851

■ 15.0882, 0.5130,
0.4019

■ 23.7701, 0.3959,
0.3746

■ 13.5659, 0.5399,
0.3988

■ 26.6470, 0.3714,
0.3632

■ 12.4153, 0.5609,
0.3929

■ 29.8269, 0.3497,
0.3518

■ 33.3191, 0.3309,
0.3407

■ 37.1323, 0.3146,
0.3302

■ 41.2751, 0.3005,
0.3205

■ 45.7555, 0.2883,
0.3114

■ 50.5812, 0.2778,
0.3031

Harmonies

Analogous

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



18.8849, 0.4478, 0.3403



18.8849, 0.4527, 0.3940



18.8849, 0.4169, 0.4407

Triad

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



18.8849, 0.4527, 0.3940



18.8849, 0.2275, 0.3676



18.8849, 0.2586, 0.2234

Complementary

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



18.8849, 0.4527, 0.3940



17.7138, 0.2210, 0.2469

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.



18.8849, 0.2106, 0.2205



18.8849, 0.4527, 0.3940



18.8849, 0.1939, 0.2938

Square

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



18.8849, 0.4527, 0.3940



18.8849, 0.2860, 0.4359



18.8849, 0.1886, 0.2430



18.8849, 0.3275, 0.2478

Rectangle

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



18.8849, 0.4527, 0.3940



18.8849, 0.3777, 0.4592



18.8849, 0.1886, 0.2430



18.8849, 0.2399, 0.2199

Sweetspot

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



18.8859, 0.4527, 0.3940



55.1766, 0.3440, 0.3486



13.0899, 0.3864, 0.2418



11.6951, 0.3495, 0.3517



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.



18.8859, 0.4527, 0.3940



29.1582, 0.4927, 0.4011



32.3386, 0.4040, 0.4597



7.5589, 0.3275, 0.3386



9.4884, 0.5591, 0.3942



0.2922, 0.4984, 0.4425

Inverse Universe

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



17.7138, 0.2210, 0.2469



26.8096, 0.2055, 0.2255



8.4910, 0.1995, 0.1506



7.5032, 0.2987, 0.3192



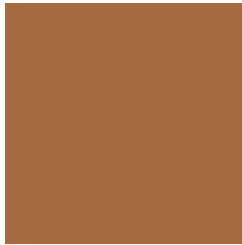
8.3073, 0.1850, 0.1860



0.2656, 0.2010, 0.2436

Previews

White Background



This preview shows how the Yxy color 18.8849, 0.4527, 0.3940 looks on a white 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

Black Background



This preview shows how the Yxy color 18.8849, 0.4527, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

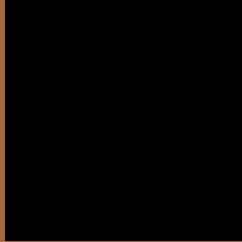
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8849, 0.4527, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 18.8849, 0.4527, 0.3940.



This preview shows how white text looks on a background with the Yxy color 18.8849, 0.4527, 0.3940.

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

18.8849, 0.4527, 0.3940

Protanopia

19.0910, 0.3902, 0.4236

Deuteranopia

18.9052, 0.4240, 0.4172



Tritanopia

18.9317, 0.3979, 0.3184

Trichromacy



Original Color

18.8849, 0.4527, 0.3940

Protanomaly

18.9158, 0.4133, 0.4129

Deuteranomaly

18.8172, 0.4341, 0.4081

Tritanomaly

18.9064, 0.4190, 0.3465

Monochromacy



Original Color

18.8849, 0.4527, 0.3940

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3966, 0.3613, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8849, 0.4527, 0.3940 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(165, 107, 64)` looks like.

```
.text, #text, p{  
    color:rgb(165, 107, 64)  
}
```

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(165, 107, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 107, 64) }
```

Border

The CSS property to change the border of an element to Yxy 18.8849, 0.4527, 0.3940 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(165, 107, 64) }
```

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

```
.border{ border-color:rgb(165, 107, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 107, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 107, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 107, 64);  
box-shadow:4px 4px 4px 4px rgb(165, 107,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8849, 0.4527, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 107, 64) }
```

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

```
.background{ background-color: rgb(165,  
107, 64) }
```

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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