

Converting Colors

$Y_{xy}(18.5529, 0.4204, 0.4378)$

Have a look what the booklet for
Yxy(18.5529, 0.4204, 0.4378)
contains.

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Color

Yxy(18.5551, 0.4204, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	8C7535
RGB	140, 117, 53
RGB Percent	55%, 46%, 21%
CMY	0.4510, 0.5411, 0.7922
CMYK	0.00, 0.16, 0.62, 0.45
HSL	44°, 45%, 38%
HSV	44°, 62%, 55%
XYZ	17.8176, 18.5551, 6.0099
YIQ	116.5810, 34.2520, -15.0280

Conversions

Conversions Part 2

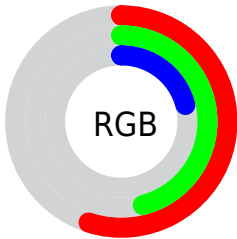
Format	Color
R _Y B	84, 140, 53
Decimal	9205045
CIE Lab	50.16, 0.98, 37.92
CIE LCh	50, 37.937, 88.527
Yxy	18.5551, 0.4204, 0.4378
Android (android.graphics.Color)	4287395125 (0xFF8C7535)
YUV	116.5810, -31.3454, 20.5385
Hunter-Lab	43.0756, -1.5483, 21.8809

Details

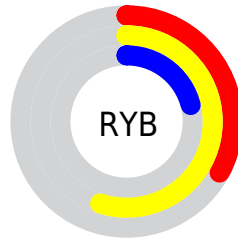
The Yxy color **18.5551, 0.4204, 0.4378** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.8155, 0.2069, 0.1841**, and the grayscale version is **17.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0710, 0.3981, 0.4155**, and **6.2891, 0.4553, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **17.6005, 0.4375, 0.4498**, and if you desaturate by 10%, it is **19.5831, 0.4022, 0.4228**.

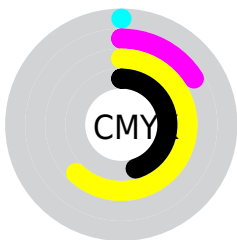
Distribution



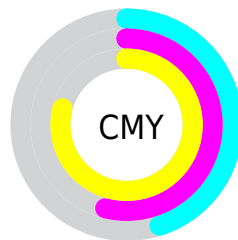
- Red (55%)
- Green (46%)
- Blue (21%)



- Red (33%)
- Yellow (55%)
- Blue (21%)



- Cyan (0%)
- Magenta (16%)
- Yellow (62%)
- Black (45%)





- Cyan (45%)
- Magenta (54%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5551, 0.4204, 0.4378 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 18.5551, 0.4204, 0.4378 by changing the saturation by 10% instead.


 18.5551, 0.4204,
0.4378

 18.5551, 0.4204,
0.4378


243.9815, 0.3609,
0.3781


 11.3492, 0.4359,
0.4531


 40.9810, 0.3979,
0.4153


 6.3023, 0.4548,
0.4715


 56.9698, 0.3896,
0.4070

 3.0297, 0.4920,
0.5080

 76.6550, 0.3828,
0.4001

 1.1473, 0.4938,
0.5062

 100.4211, 0.3770,
0.3943

 0.0180, 0.6945,
0.3055

 128.6523, 0.3721,
0.3893

 0.0000, 0.0000,
0.0000

 161.7333, 0.3678,

0.3851

200.0482, 0.3641,
0.3813

■ 18.5551, 0.4204,
0.4378

■ 18.5551, 0.4204,
0.4378

■ 17.6005, 0.4375,
0.4498

■ 19.5831, 0.4022,
0.4228

■ 16.7130, 0.4526,
0.4578

■ 20.6853, 0.3836,
0.4057

■ 15.8890, 0.4650,
0.4613

■ 21.8656, 0.3652,
0.3874

■ 15.2767, 0.4738,
0.4620

■ 23.1268, 0.3476,
0.3688

■ 24.4716, 0.3311,
0.3504

■ 25.9024, 0.3158,
0.3327

■ 27.4216, 0.3019,
0.3159

■ 29.0315, 0.2892,
0.3001

■ 30.7340, 0.2778,
0.2855

Harmonies

Analogous

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



18.5551, 0.4536, 0.3902



18.5551, 0.4204, 0.4378



18.5551, 0.3603, 0.4615

Triad

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



18.5551, 0.4204, 0.4378



18.5551, 0.1955, 0.2986



18.5551, 0.3222, 0.2456

Complementary

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



18.5551, 0.4204, 0.4378



7.8155, 0.2069, 0.1841

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.



18.5551, 0.2545, 0.2226



18.5551, 0.4204, 0.4378



18.5551, 0.1882, 0.2458

Square

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



18.5551, 0.4204, 0.4378



18.5551, 0.2311, 0.3730



18.5551, 0.2083, 0.2214



18.5551, 0.3950, 0.2858

Rectangle

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



18.5551, 0.4204, 0.4378



18.5551, 0.3139, 0.4525



18.5551, 0.2083, 0.2214



18.5551, 0.2979, 0.2357

Sweetspot

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



18.5560, 0.4204, 0.4378



41.4164, 0.3430, 0.3637



8.6448, 0.4484, 0.2893



9.4071, 0.3473, 0.3685



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.



18.5560, 0.4204, 0.4378



30.3271, 0.4444, 0.4538



22.9808, 0.3725, 0.4831



5.6252, 0.3264, 0.3450



13.6095, 0.4734, 0.4623



0.1144, 0.4440, 0.4856

Inverse Universe

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



7.8155, 0.2069, 0.1841



9.8067, 0.1845, 0.1460



5.8669, 0.2187, 0.1462



5.0933, 0.2991, 0.3125



2.8861, 0.1600, 0.0961



0.0404, 0.1811, 0.1720

Previews

White Background



This preview shows how the Yxy color 18.5551, 0.4204, 0.4378 looks on a white background.

Color Contrast Check

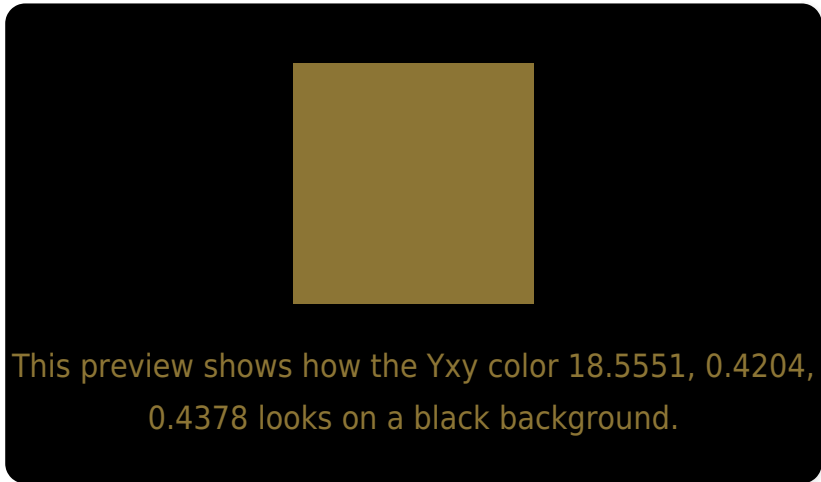
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

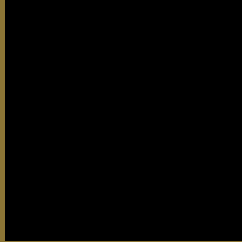
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5551, 0.4204, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 18.5551, 0.4204, 0.4378.



This preview shows how white text looks on a background with the Yxy color 18.5551, 0.4204, 0.4378.

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

18.5551, 0.4204, 0.4378

Protanopia

18.6858, 0.4067, 0.4455

Deuteranopia

18.5969, 0.4336, 0.4268



Tritanopia

18.5035, 0.3487, 0.3135

Trichromacy



Original Color

18.5551, 0.4204, 0.4378

Protanomaly

18.6942, 0.4118, 0.4420

Deuteranomaly

18.5476, 0.4284, 0.4302

Tritanomaly

18.4761, 0.3773, 0.3612

Monochromacy



Original Color

18.5551, 0.4204, 0.4378

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8907, 0.3517, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5551, 0.4204, 0.4378 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, 117, 53)` looks like.

```
.text, #text, p{  
    color:rgb(140, 117, 53)  
}
```

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, 117, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 117, 53) }
```

Border

The CSS property to change the border of an element to Yxy 18.5551, 0.4204, 0.4378 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, 117, 53) }
```

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

```
.border{ border-color:rgb(140, 117, 53) }
```

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

Here you see how a box with a 4 pixel rgb(140, 117, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 117, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 117, 53);  
box-shadow:4px 4px 4px 4px rgb(140, 117,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5551, 0.4204, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 117, 53) }
```

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

```
.background{ background-color: rgb(140,  
117, 53) }
```

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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