

Converting Colors

$Y_{xy}(19.5620, 0.4451, 0.4306)$

Have a look what the booklet for
Yxy(19.5620, 0.4451, 0.4306)
contains.

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Color

Yxy(19.6811, 0.4452, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	9B7431
RGB	155, 116, 49
RGB Percent	61%, 45%, 19%
CMY	0.3922, 0.5451, 0.8078
CMYK	0.00, 0.25, 0.68, 0.39
HSL	38°, 52%, 40%
HSV	38°, 68%, 61%
XYZ	20.3154, 19.6811, 5.6356
YIQ	120.0230, 44.7510, -12.5690

Conversions

Conversions Part 2

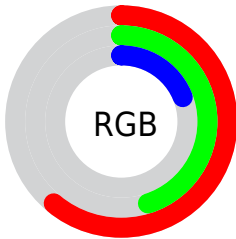
Format	Color
R_{YB}	111, 155, 49
Decimal	10187825
CIE _{Lab}	51.47, 8.11, 41.80
CIE _{LCh}	51, 42.581, 79.019
Yxy	19.6811, 0.4452, 0.4313
Android (android.graphics.Color)	4288377905 (0xFF9B7431)
YUV	120.0230, -35.0143, 30.6748
Hunter-Lab	44.3634, 4.1048, 23.5227

Details

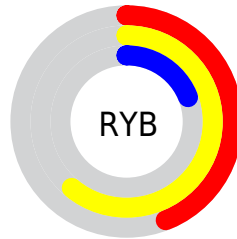
The Yxy color **19.6811, 0.4452, 0.4313** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9974, 0.2012, 0.1885**, and the grayscale version is **18.8944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8842, 0.4178, 0.4132**, and **6.8436, 0.4849, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **18.2986, 0.4655, 0.4389**, and if you desaturate by 10%, it is **21.1912, 0.4237, 0.4199**.

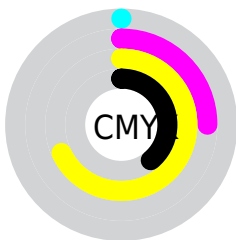
Distribution



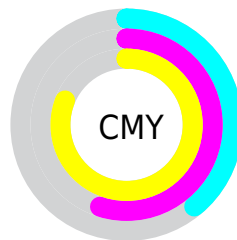
- Red (61%)
- Green (45%)
- Blue (19%)



- Red (44%)
- Yellow (61%)
- Blue (19%)



- Cyan (0%)
- Magenta (25%)
- Yellow (68%)
- Black (39%)





- Cyan (39%)
- Magenta (55%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6811, 0.4452, 0.4313 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 19.6811, 0.4452, 0.4313 by changing the saturation by 10% instead.


 19.6811, 0.4452,
0.4313


 19.6811, 0.4452,
0.4313


250.1835, 0.3725,
0.3782


 12.1634, 0.4638,
0.4430


 42.8819, 0.4179,
0.4125


 6.8551, 0.4865,
0.4555


 59.3338, 0.4078,
0.4051


 3.3716, 0.5240,
0.4760

 79.5326, 0.3994,
0.3989

 1.3287, 0.5369,
0.4631

 103.8626, 0.3923,
0.3935

 0.1633, 0.6839,
0.3161

 132.7084, 0.3862,
0.3889

 0.0000, 0.0000,
0.0000

 166.4541, 0.3810,

0.3848

205.4844, 0.3765,
0.3813

■ 19.6811, 0.4452,
0.4313

■ 19.6811, 0.4452,
0.4313

■ 18.2986, 0.4655,
0.4389

■ 21.1912, 0.4237,
0.4199

■ 17.0346, 0.4834,
0.4419

■ 22.8315, 0.4019,
0.4059

■ 15.8791, 0.4988,
0.4405

■ 24.6080, 0.3808,
0.3903

■ 15.6990, 0.5013,
0.4402

■ 26.5255, 0.3608,
0.3740

■ 28.5883, 0.3423,
0.3576

■ 30.8005, 0.3255,
0.3417

■ 33.1660, 0.3104,
0.3266

■ 35.6884, 0.2968,
0.3124

■ 38.3715, 0.2848,
0.2992

Harmonies

Analogous

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



19.6811, 0.4697, 0.3754



19.6811, 0.4452, 0.4313



19.6811, 0.3862, 0.4705

Triad

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



19.6811, 0.4452, 0.4313



19.6811, 0.1939, 0.3190



19.6811, 0.2973, 0.2284

Complementary

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



19.6811, 0.4452, 0.4313



9.9974, 0.2012, 0.1885

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.



19.6811, 0.2302, 0.2106



19.6811, 0.4452, 0.4313



19.6811, 0.1770, 0.2521

Square

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



19.6811, 0.4452, 0.4313



19.6811, 0.2413, 0.4043



19.6811, 0.1895, 0.2170



19.6811, 0.3787, 0.2663

Rectangle

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



19.6811, 0.4452, 0.4313



19.6811, 0.3370, 0.4739



19.6811, 0.1895, 0.2170



19.6811, 0.2724, 0.2200

Sweetspot

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



19.6821, 0.4452, 0.4313



50.0600, 0.3477, 0.3626



9.8971, 0.4447, 0.2677



11.1160, 0.3524, 0.3667



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.6821, 0.4452, 0.4313



31.5688, 0.4752, 0.4411



29.4652, 0.3900, 0.4882



6.8407, 0.3269, 0.3430



12.6867, 0.5004, 0.4408



0.2587, 0.4582, 0.4744

Inverse Universe

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



9.9974, 0.2012, 0.1885



13.1704, 0.1814, 0.1531



5.5683, 0.1943, 0.1207



6.3799, 0.2988, 0.3146



4.3197, 0.1669, 0.1210



0.1302, 0.1896, 0.2024

Previews

White Background



This preview shows how the Yxy color 19.6811, 0.4452, 0.4313 looks on a white background.

Color Contrast Check

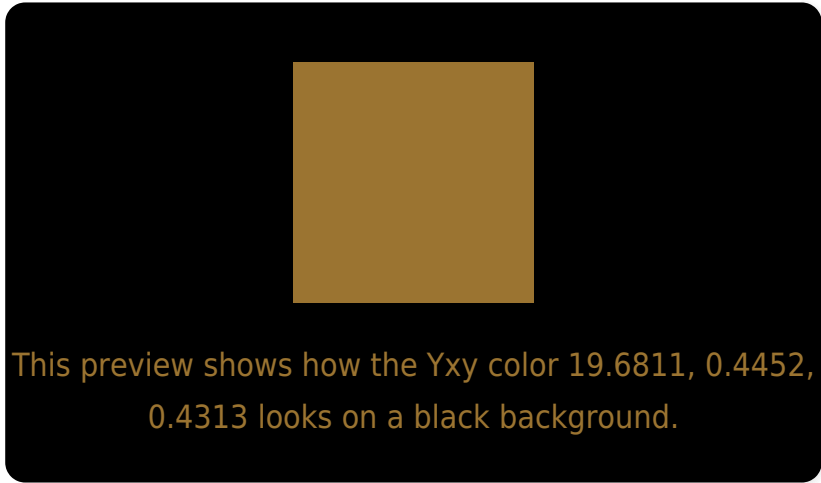
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6811, 0.4452, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 19.6811, 0.4452, 0.4313.



This preview shows how white text looks on a background with the Yxy color 19.6811, 0.4452, 0.4313.

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

19.6811, 0.4452, 0.4313

Protanopia

19.7233, 0.4117, 0.4512

Deuteranopia

19.7166, 0.4415, 0.4341



Tritanopia

19.6952, 0.3721, 0.3162

Trichromacy



Original Color

19.6811, 0.4452, 0.4313

Protanomaly

19.5925, 0.4252, 0.4433

Deuteranomaly

19.8144, 0.4427, 0.4334

Tritanomaly

19.6301, 0.4026, 0.3620

Monochromacy



Original Color

19.6811, 0.4452, 0.4313

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9883, 0.3617, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6811, 0.4452, 0.4313 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(155, 116, 49)` looks like.

```
.text, #text, p{  
    color:rgb(155, 116, 49)  
}
```

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(155, 116, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 116, 49) }
```

Border

The CSS property to change the border of an element to Yxy 19.6811, 0.4452, 0.4313 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(155, 116, 49) }
```

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

```
.border{ border-color:rgb(155, 116, 49) }
```

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

Here you see how a box with a 4 pixel rgb(155, 116, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 116, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 116, 49);  
box-shadow:4px 4px 4px 4px rgb(155, 116,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6811, 0.4452, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 116, 49) }
```

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

```
.background{ background-color: rgb(155,  
116, 49) }
```

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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