

Converting Colors

$Y_{xy}(20.9832, 0.4640, 0.4163)$

Have a look what the booklet for
Yxy(20.9832, 0.4640, 0.4163)
contains.

Yxy(20.9405, 0.4647, 0.4153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9405, 0.4647, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	AB7234
RGB	171, 114, 52
RGB Percent	67%, 45%, 20%
CMY	0.3294, 0.5529, 0.7962
CMYK	0.00, 0.33, 0.70, 0.33
HSL	31°, 53%, 44%
HSV	31°, 70%, 67%
XYZ	23.4314, 20.9405, 6.0507
YIQ	123.9750, 53.8740, -7.1980

Conversions

Conversions Part 2

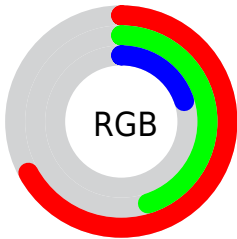
Format	Color
RYB	161, 171, 52
Decimal	11235892
CIELab	52.88, 16.60, 42.44
CIELCh	53, 45.575, 68.641
Yxy	20.9405, 0.4647, 0.4153
Android (android.graphics.Color)	4289425972 (0xFFAB7234)
YUV	123.9750, -35.4837, 41.2409
Hunter-Lab	45.7608, 11.3178, 24.1929

Details

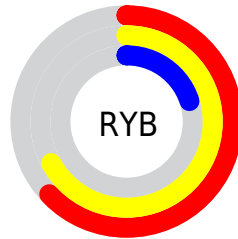
The Yxy color **20.9405, 0.4647, 0.4153** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.5972, 0.2050, 0.2103**, and the grayscale version is **20.2536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0350, 0.4337, 0.4018**, and **7.4760, 0.5119, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **19.0493, 0.4901, 0.4199**, and if you desaturate by 10%, it is **23.0550, 0.4384, 0.4067**.

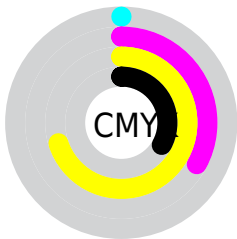
Distribution



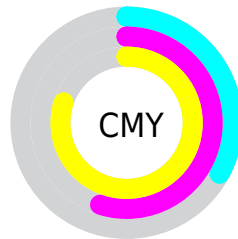
- Red (67%)
- Green (45%)
- Blue (20%)



- Red (63%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (33%)
- Yellow (70%)
- Black (33%)




- Cyan (33%)
- Magenta (55%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9405, 0.4647, 0.4153 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 20.9405, 0.4647, 0.4153 by changing the saturation by 10% instead.


 20.9405, 0.4647,
0.4153

 20.9405, 0.4647,
0.4153


256.9621, 0.3813,
0.3734


 13.0805, 0.4862,
0.4230


 44.9885, 0.4333,
0.4014

 7.4840, 0.5129,
0.4298


 61.9453, 0.4218,
0.3957

 3.7666, 0.5579,
0.4421

 82.7031, 0.4121,
0.3907

 1.5439, 0.5805,
0.4195

 107.6464, 0.4040,
0.3863

 0.3193, 0.6894,
0.3106

 137.1596, 0.3971,
0.3824

 0.0000, 0.0000,
0.0000

 171.6270, 0.3911,

0.3791

211.4330, 0.3859,
0.3760

■ 20.9405, 0.4647,
0.4153

■ 20.9405, 0.4647,
0.4153

■ 19.0493, 0.4901,
0.4199

■ 23.0550, 0.4384,
0.4067

■ 17.3674, 0.5130,
0.4195

■ 25.3992, 0.4126,
0.3953

■ 15.8783, 0.5329,
0.4146

■ 27.9829, 0.3883,
0.3822

■ 15.8242, 0.5337,
0.4144

■ 30.8143, 0.3659,
0.3684

■ 33.9011, 0.3458,
0.3546

■ 37.2505, 0.3279,
0.3412

■ 40.8695, 0.3121,
0.3285

■ 44.7648, 0.2983,
0.3167

■ 48.9426, 0.2863,
0.3057

Harmonies

Analogous

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



20.9405, 0.4745, 0.3554



20.9405, 0.4647, 0.4153



20.9405, 0.4129, 0.4659

Triad

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



20.9405, 0.4647, 0.4153



20.9405, 0.2022, 0.3486



20.9405, 0.2695, 0.2154

Complementary

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



20.9405, 0.4647, 0.4153



14.5972, 0.2050, 0.2103

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.



20.9405, 0.2088, 0.2051



20.9405, 0.4647, 0.4153



20.9405, 0.1741, 0.2687

Square

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



20.9405, 0.4647, 0.4153



20.9405, 0.2611, 0.4364



20.9405, 0.1768, 0.2211



20.9405, 0.3520, 0.2481

Rectangle

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



20.9405, 0.4647, 0.4153



20.9405, 0.3645, 0.4823



20.9405, 0.1768, 0.2211



20.9405, 0.2462, 0.2093

Sweetspot

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



20.9416, 0.4647, 0.4153



59.7089, 0.3491, 0.3570



12.2253, 0.4255, 0.2500



12.9805, 0.3544, 0.3607



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.9416, 0.4647, 0.4153



32.3029, 0.5039, 0.4203



37.8112, 0.4032, 0.4833



8.6800, 0.3274, 0.3408



12.0349, 0.5323, 0.4156



0.4436, 0.4896, 0.4495

Inverse Universe

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



14.5972, 0.2050, 0.2103



20.2285, 0.1871, 0.1787



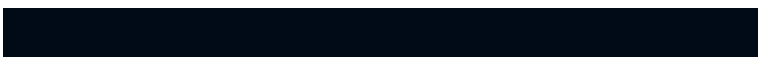
6.1754, 0.1820, 0.1113



8.3661, 0.2986, 0.3169



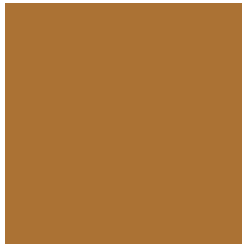
6.8557, 0.1760, 0.1535



0.3007, 0.1919, 0.2109

Previews

White Background



This preview shows how the Yxy color 20.9405, 0.4647, 0.4153 looks on a white background.

Color Contrast Check

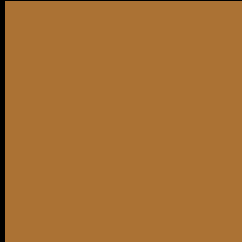
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9405, 0.4647, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

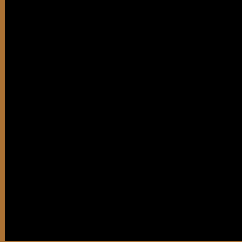
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9405, 0.4647, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 20.9405, 0.4647, 0.4153.



This preview shows how white text looks on a background with the Yxy color 20.9405, 0.4647, 0.4153.

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

20.9405, 0.4647, 0.4153

Protanopia

21.1270, 0.4085, 0.4474

Deuteranopia

20.9323, 0.4433, 0.4338



Tritanopia

20.8672, 0.3958, 0.3173

Trichromacy



Original Color

20.9405, 0.4647, 0.4153

Protanomaly

20.8703, 0.4289, 0.4346

Deuteranomaly

20.9824, 0.4510, 0.4267

Tritanomaly

20.9232, 0.4250, 0.3562

Monochromacy



Original Color

20.9405, 0.4647, 0.4153

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9775, 0.3670, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9405, 0.4647, 0.4153 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(171, 114, 52)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 52)  
}
```

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(171, 114, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 52) }
```

Border

The CSS property to change the border of an element to Yxy 20.9405, 0.4647, 0.4153 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(171, 114, 52) }
```

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

```
.border{ border-color:rgb(171, 114, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 52);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9405, 0.4647, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 52) }
```

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

```
.background{ background-color: rgb(171,  
114, 52) }
```

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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