

Converting Colors

$Y_{xy}(19.7469, 0.4751, 0.4091)$

Have a look what the booklet for
Yxy(19.7469, 0.4751, 0.4091)
contains.

Yxy(19.7261, 0.4753, 0.4085)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7261, 0.4753, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	AC6C32
RGB	172, 108, 50
RGB Percent	67%, 42%, 20%
CMY	0.3255, 0.5765, 0.8041
CMYK	0.00, 0.37, 0.71, 0.33
HSL	29°, 55%, 44%
HSV	29°, 71%, 67%
XYZ	22.9518, 19.7261, 5.6112
YIQ	120.5240, 56.7620, -4.4700

Conversions

Conversions Part 2

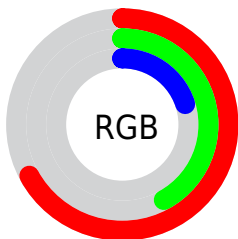
Format	Color
R _{YB}	172, 161, 50
Decimal	11299890
CIE Lab	51.53, 20.30, 42.00
CIE LCh	52, 46.646, 64.204
Yxy	19.7261, 0.4753, 0.4085
Android (android.graphics.Color)	4289489970 (0xFFAC6C32)
YUV	120.5240, -34.7683, 45.1445
Hunter-Lab	44.4141, 14.5186, 23.5993

Details

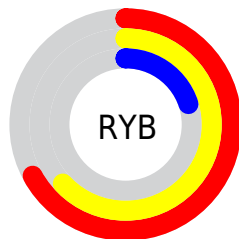
The Yxy color **19.7261, 0.4753, 0.4085** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.6828, 0.2059, 0.2186**, and the grayscale version is **19.0590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0314, 0.4408, 0.3970**, and **6.8766, 0.5286, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **17.8002, 0.5027, 0.4115**, and if you desaturate by 10%, it is **21.9066, 0.4470, 0.4014**.

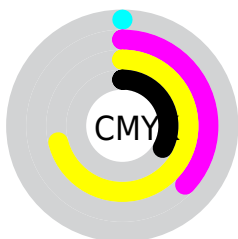
Distribution



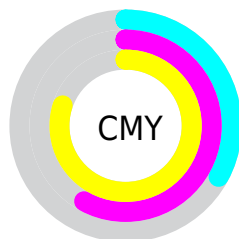
- Red (67%)
- Green (42%)
- Blue (20%)



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



- Cyan (0%)
- Magenta (37%)
- Yellow (71%)
- Black (33%)





- Cyan (33%)
- Magenta (58%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7261, 0.4753, 0.4085 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 19.7261, 0.4753, 0.4085 by changing the saturation by 10% instead.


 19.7261, 0.4753,
0.4085


 19.7261, 0.4753,
0.4085


250.4285, 0.3851,
0.3709


 12.1961, 0.4989,
0.4146


 42.9575, 0.4411,
0.3966


 6.8774, 0.5285,
0.4188


 59.4277, 0.4286,
0.3914


 3.3855, 0.5754,
0.4246

 79.6467, 0.4182,
0.3869

 1.3362, 0.6042,
0.3958

 103.9990, 0.4094,
0.3829

 0.1689, 0.7952,
0.2048

 132.8689, 0.4020,
0.3793

 0.0000, 0.0000,
0.0000

 166.6409, 0.3956,

0.3762

205.6992, 0.3900,
0.3734

■ 19.7261, 0.4753,
0.4085

■ 19.7261, 0.4753,
0.4085

■ 17.8002, 0.5027,
0.4115

■ 21.9066, 0.4470,
0.4014

■ 16.1134, 0.5274,
0.4094

■ 24.3501, 0.4193,
0.3913

■ 14.7759, 0.5471,
0.4038

■ 27.0680, 0.3934,
0.3794

■ 30.0699, 0.3698,
0.3668

■ 33.3649, 0.3488,
0.3541

■ 36.9617, 0.3303,
0.3418

■ 40.8686, 0.3141,
0.3301

■ 45.0934, 0.3001,
0.3191

■ 49.6436, 0.2879,
0.3090

Harmonies

Analogous

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



19.7261, 0.4782, 0.3464



19.7261, 0.4753, 0.4085



19.7261, 0.4261, 0.4645

Triad

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



19.7261, 0.4753, 0.4085



19.7261, 0.2049, 0.3635



19.7261, 0.2565, 0.2083

Complementary

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



19.7261, 0.4753, 0.4085



15.6828, 0.2059, 0.2186

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.



19.7261, 0.1981, 0.2012



19.7261, 0.4753, 0.4085



19.7261, 0.1712, 0.2760

Square

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



19.7261, 0.4753, 0.4085



19.7261, 0.2697, 0.4528



19.7261, 0.1697, 0.2218



19.7261, 0.3401, 0.2388

Rectangle

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



19.7261, 0.4753, 0.4085



19.7261, 0.3775, 0.4870



19.7261, 0.1697, 0.2218



19.7261, 0.2337, 0.2032

Sweetspot

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



19.7271, 0.4753, 0.4085



60.2603, 0.3497, 0.3547



12.2884, 0.4165, 0.2408



12.7405, 0.3550, 0.3580



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.



19.7271, 0.4753, 0.4085



30.5333, 0.5169, 0.4110



36.9832, 0.4099, 0.4800



8.6200, 0.3275, 0.3398



11.1036, 0.5454, 0.4051



0.4190, 0.4978, 0.4429

Inverse Universe

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



15.6828, 0.2059, 0.2186



22.7022, 0.1897, 0.1902



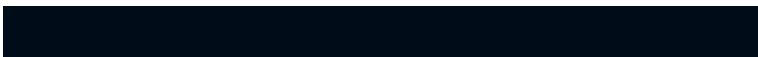
6.2973, 0.1797, 0.1123



8.4261, 0.2986, 0.3179



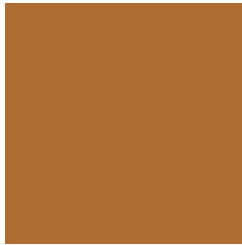
7.7941, 0.1802, 0.1686



0.3255, 0.1950, 0.2218

Previews

White Background



This preview shows how the Yxy color 19.7261, 0.4753, 0.4085 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 19.7261, 0.4753, 0.4085 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 19.7261, 0.4753, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 19.7261, 0.4753, 0.4085.



This preview shows how white text looks on a background with the Yxy color 19.7261, 0.4753, 0.4085.

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

19.7261, 0.4753, 0.4085

Protanopia

19.7601, 0.4081, 0.4458

Deuteranopia

19.7978, 0.4445, 0.4356



Tritanopia

19.8370, 0.4086, 0.3189

Trichromacy



Original Color

19.7261, 0.4753, 0.4085

Protanomaly

19.6979, 0.4327, 0.4326

Deuteranomaly

19.8251, 0.4562, 0.4256

Tritanomaly

19.7192, 0.4366, 0.3530

Monochromacy



Original Color

19.7261, 0.4753, 0.4085

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8925, 0.3715, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7261, 0.4753, 0.4085 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(172, 108, 50)` looks like.

```
.text, #text, p{  
    color:rgb(172, 108, 50)  
}
```

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(172, 108, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 108, 50) }
```

Border

The CSS property to change the border of an element to Yxy 19.7261, 0.4753, 0.4085 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(172, 108, 50) }
```

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

```
.border{ border-color:rgb(172, 108, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 108, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 108, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 108, 50);  
box-shadow:4px 4px 4px 4px rgb(172, 108,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7261, 0.4753, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 108, 50) }
```

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

```
.background{ background-color: rgb(172,  
108, 50) }
```

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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