

Converting Colors

$Y_{xy}(20.7628, 0.4850, 0.4307)$

Have a look what the booklet for
Yxy(20.7628, 0.4850, 0.4307)
contains.

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Color

Yxy(20.7934, 0.4846, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	AD711F
RGB	173, 113, 31
RGB Percent	68%, 44%, 12%
CMY	0.3216, 0.5568, 0.8784
CMYK	0.00, 0.35, 0.82, 0.32
HSL	35°, 70%, 40%
HSV	35°, 82%, 68%
XYZ	23.3847, 20.7934, 4.0776
YIQ	121.5920, 62.0820, -12.7820

Conversions

Conversions Part 2

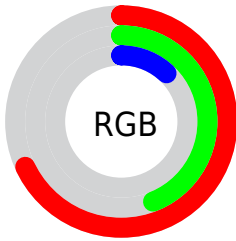
Format	Color
RYB	135, 173, 31
Decimal	11366687
CIELab	52.72, 17.09, 51.57
CIELCh	53, 54.331, 71.669
Yxy	20.7934, 0.4846, 0.4309
Android (android.graphics.Color)	4289556767 (0xFFAD711F)
YUV	121.5920, -44.6619, 45.0848
Hunter-Lab	45.5998, 11.7397, 26.6180

Details

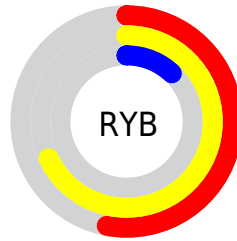
The Yxy color **20.7934, 0.4846, 0.4309** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.7885, 0.1862, 0.1696**, and the grayscale version is **19.4561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8584, 0.4512, 0.4163**, and **7.4254, 0.5165, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **19.1607, 0.5039, 0.4304**, and if you desaturate by 10%, it is **22.6085, 0.4624, 0.4263**.

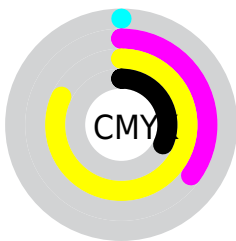
Distribution



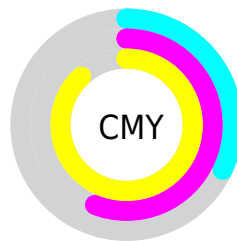
- Red (68%)
- Green (44%)
- Blue (12%)



- Red (53%)
- Yellow (68%)
- Blue (12%)



- Cyan (0%)
- Magenta (35%)
- Yellow (82%)
- Black (32%)




- Cyan (32%)
- Magenta (56%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7934, 0.4846, 0.4309 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 20.7934, 0.4846, 0.4309 by changing the saturation by 10% instead.


 20.7934, 0.4846,
0.4309


 20.7934, 0.4846,
0.4309


256.1785, 0.3928,
0.3838


 12.9731, 0.5061,
0.4377


 44.7434, 0.4514,
0.4165

 7.4100, 0.5347,
0.4449


 61.6419, 0.4387,
0.4101

 3.7198, 0.5601,
0.4399

 82.3353, 0.4279,
0.4044

 1.5181, 0.5835,
0.4165

 107.2079, 0.4188,
0.3993

 0.3014, 0.7001,
0.2999

 136.6441, 0.4109,
0.3947

 0.0000, 0.0000,
0.0000

 171.0283, 0.4041,

0.3907

210.7450, 0.3981,
0.3871

20.7934, 0.4846,
0.4309

20.7934, 0.4846,
0.4309

19.1607, 0.5039,
0.4304

22.6085, 0.4624,
0.4263

17.9803, 0.5176,
0.4273

24.6127, 0.4388,
0.4174

26.8157, 0.4149,
0.4054

29.2252, 0.3917,
0.3913

31.8487, 0.3699,
0.3763

■ 34.6928, 0.3499,
0.3610

■ 37.7639, 0.3319,
0.3461

■ 41.0681, 0.3158,
0.3319

■ 44.6112, 0.3016,
0.3185

Harmonies

Analogous

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



20.7934, 0.5057, 0.3619



20.7934, 0.4846, 0.4309



20.7934, 0.4179, 0.4925

Triad

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



20.7934, 0.4846, 0.4309



20.7934, 0.1782, 0.3395



20.7934, 0.2697, 0.2009

Complementary

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



20.7934, 0.4846, 0.4309



10.7885, 0.1862, 0.1696

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.



20.7934, 0.1973, 0.1861



20.7934, 0.4846, 0.4309



20.7934, 0.1516, 0.2481

Square

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



20.7934, 0.4846, 0.4309



20.7934, 0.2414, 0.4509



20.7934, 0.1586, 0.1994



20.7934, 0.3690, 0.2398

Rectangle

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



20.7934, 0.4846, 0.4309



20.7934, 0.3600, 0.5133



20.7934, 0.1586, 0.1994



20.7934, 0.2419, 0.1931

Sweetspot

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



20.7945, 0.4846, 0.4309



60.3832, 0.3564, 0.3662



10.6457, 0.4731, 0.2560



12.7474, 0.3632, 0.3713



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.



20.7945, 0.4846, 0.4309



32.2874, 0.5164, 0.4267



37.8249, 0.4042, 0.5028



8.7545, 0.3273, 0.3421



13.3256, 0.5162, 0.4283



0.4760, 0.4798, 0.4573

Inverse Universe

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



10.7885, 0.1862, 0.1696



14.0544, 0.1711, 0.1345



4.4578, 0.1674, 0.0836



8.2925, 0.2986, 0.3156



5.8338, 0.1711, 0.1358



0.2721, 0.1882, 0.1974

Previews

White Background



This preview shows how the Yxy color 20.7934, 0.4846, 0.4309 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 20.7934, 0.4846, 0.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

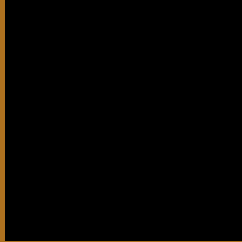
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7934, 0.4846, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 20.7934, 0.4846, 0.4309.



This preview shows how white text looks on a background with the Yxy color 20.7934, 0.4846, 0.4309.

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

20.7934, 0.4846, 0.4309

Protanopia

21.0450, 0.4263, 0.4713

Deuteranopia

20.8877, 0.4602, 0.4529



Tritanopia

20.6425, 0.4023, 0.3174

Trichromacy



Original Color

20.7934, 0.4846, 0.4309

Protanomaly

20.8012, 0.4472, 0.4566

Deuteranomaly

20.7038, 0.4698, 0.4443

Tritanomaly

20.5798, 0.4414, 0.3658

Monochromacy



Original Color

20.7934, 0.4846, 0.4309

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5776, 0.3788, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7934, 0.4846, 0.4309 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(173, 113, 31)` looks like.

```
.text, #text, p{  
    color:rgb(173, 113, 31)  
}
```

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(173, 113, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 113, 31) }
```

Border

The CSS property to change the border of an element to Yxy 20.7934, 0.4846, 0.4309 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(173, 113, 31) }
```

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

```
.border{ border-color:rgb(173, 113, 31) }
```

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

Here you see how a box with a 4 pixel rgb(173, 113, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 113, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 113, 31);  
box-shadow:4px 4px 4px 4px rgb(173, 113,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7934, 0.4846, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 113, 31) }
```

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

```
.background{ background-color: rgb(173,  
113, 31) }
```

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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