

Converting Colors

$Y_{xy}(20.6607, 0.4905, 0.4366)$

Have a look what the booklet for
Yxy(20.6607, 0.4905, 0.4366)
contains.

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Color

Yxy(20.7486, 0.4899, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	AD7115
RGB	173, 113, 21
RGB Percent	68%, 44%, 8%
CMY	0.3215, 0.5569, 0.9176
CMYK	0.00, 0.35, 0.88, 0.32
HSL	36°, 78%, 38%
HSV	36°, 88%, 68%
XYZ	23.2763, 20.7486, 3.4874
YIQ	120.4520, 65.2920, -15.8920

Conversions

Conversions Part 2

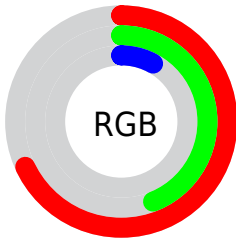
Format	Color
RYB	120, 173, 21
Decimal	11366677
CIELab	52.67, 16.81, 54.89
CIELCh	53, 57.405, 72.967
Yxy	20.7486, 0.4899, 0.4367
Android (android.graphics.Color)	4289556757 (0xFFAD7115)
YUV	120.4520, -49.0298, 46.0846
Hunter-Lab	45.5506, 11.4994, 27.3461

Details

The Yxy color **20.7486, 0.4899, 0.4367** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0643, 0.1782, 0.1496**, and the grayscale version is **19.0804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7419, 0.4567, 0.4228**, and **7.4254, 0.5165, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **19.2364, 0.5063, 0.4342**, and if you desaturate by 10%, it is **22.4194, 0.4706, 0.4344**.

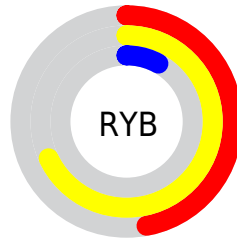
Distribution



Red (68%)

Green (44%)

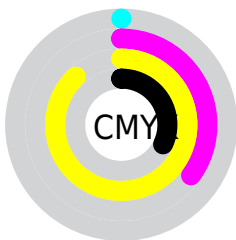
Blue (8%)



Red (47%)

Yellow (68%)

Blue (8%)

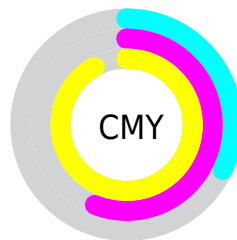


Cyan (0%)

Magenta (35%)

Yellow (88%)

Black (32%)



Cyan (32%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7486, 0.4899, 0.4367 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 20.7486, 0.4899, 0.4367 by changing the saturation by 10% instead.


 20.7486, 0.4899,
0.4367

 20.7486, 0.4899,
0.4367


255.9394, 0.3965,
0.3878


 12.9404, 0.5108,
0.4430


 44.6688, 0.4567,
0.4222

 7.3875, 0.5416,
0.4522


 61.5495, 0.4437,
0.4156


 3.7056, 0.5591,
0.4409

 82.2231, 0.4328,
0.4096

 1.5103, 0.5822,
0.4178

 107.0741, 0.4233,
0.4042

 0.2959, 0.7004,
0.2996

 136.4869, 0.4152,
0.3994

 0.0000, 0.0000,
0.0000

 170.8457, 0.4081,

0.3951

210.5351, 0.4019,
0.3913

20.7486, 0.4899,
0.4367

20.7486, 0.4899,
0.4367

19.2364, 0.5063,
0.4342

22.4194, 0.4706,
0.4344

18.9292, 0.5097,
0.4335

24.2582, 0.4489,
0.4273

26.2750, 0.4261,
0.4164

28.4774, 0.4033,
0.4028

30.8724, 0.3813,
0.3876

■ 33.4667, 0.3607,
0.3717

■ 36.2662, 0.3419,
0.3559

■ 39.2768, 0.3248,
0.3405

■ 42.5040, 0.3096,
0.3260

Harmonies

Analogous

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



20.7486, 0.5161, 0.3647



20.7486, 0.4899, 0.4367



20.7486, 0.4176, 0.5021

Triad

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



20.7486, 0.4899, 0.4367



20.7486, 0.1695, 0.3343



20.7486, 0.2712, 0.1966

Complementary

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



20.7486, 0.4899, 0.4367



9.0643, 0.1782, 0.1496

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.



20.7486, 0.1944, 0.1800



20.7486, 0.4899, 0.4367



20.7486, 0.1442, 0.2401

Square

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



20.7486, 0.4899, 0.4367



20.7486, 0.2334, 0.4543



20.7486, 0.1530, 0.1919



20.7486, 0.3765, 0.2378

Rectangle

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



20.7486, 0.4899, 0.4367



20.7486, 0.3566, 0.5242



20.7486, 0.1530, 0.1919



20.7486, 0.2416, 0.1881

Sweetspot

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



20.7497, 0.4899, 0.4367



60.6104, 0.3580, 0.3695



10.0283, 0.5015, 0.2644



12.8228, 0.3646, 0.3748



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.



20.7497, 0.4899, 0.4367



33.4650, 0.5117, 0.4319



37.1963, 0.4009, 0.5117



8.7913, 0.3272, 0.3427



14.0178, 0.5085, 0.4345



0.4927, 0.4751, 0.4610

Inverse Universe

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



9.0643, 0.1782, 0.1496



12.4809, 0.1674, 0.1225



3.9327, 0.1633, 0.0752



8.2566, 0.2986, 0.3149



5.3856, 0.1688, 0.1276



0.2584, 0.1863, 0.1906

Previews

White Background



This preview shows how the Yxy color 20.7486, 0.4899, 0.4367 looks on a white background.

Color Contrast Check

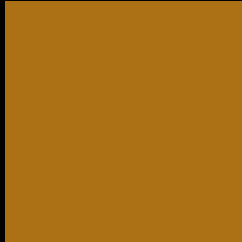
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7486, 0.4899, 0.4367 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 20.7486, 0.4899, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 20.7486, 0.4899, 0.4367.



This preview shows how white text looks on a background with the Yxy color 20.7486, 0.4899, 0.4367.

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

20.7486, 0.4899, 0.4367

Protanopia

20.7427, 0.4323, 0.4772

Deuteranopia

20.8413, 0.4654, 0.4596



Tritanopia

20.7604, 0.4036, 0.3175

Trichromacy



Original Color

20.7486, 0.4899, 0.4367

Protanomaly

20.5130, 0.4534, 0.4619

Deuteranomaly

20.6588, 0.4750, 0.4506

Tritanomaly

20.5344, 0.4453, 0.3700

Monochromacy



Original Color

20.7486, 0.4899, 0.4367

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.8516, 0.3836, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7486, 0.4899, 0.4367 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, 21)` looks like.

```
.text, #text, p{  
  color:rgb(173, 113, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 113, 21) }
```

Border

The CSS property to change the border of an element to Yxy 20.7486, 0.4899, 0.4367 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, 21) }
```

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

```
.border{ border-color:rgb(173, 113, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 113, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 113, 21);  
box-shadow:4px 4px 4px 4px rgb(173, 113,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7486, 0.4899, 0.4367 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, 21) }
```

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

```
.background{ background-color: rgb(173,  
113, 21) }
```

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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