

Converting Colors

$Y_{xy}(15.6372, 0.5293, 0.4179)$

Have a look what the booklet for
Yxy(15.6372, 0.5293, 0.4179)
contains.

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Color

Yxy(15.6372, 0.5293, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	A85A00
RGB	168, 90, 0
RGB Percent	66%, 35%, 0%
CMY	0.3412, 0.6471, 0.9998
CMYK	0.00, 0.46, 1.00, 0.34
HSL	32°, 100%, 33%
HSV	32°, 100%, 66%
XYZ	19.8056, 15.6372, 1.9757
YIQ	103.0620, 75.3780, -11.4540

Conversions

Conversions Part 2

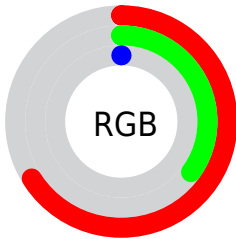
Format	Color
R _Y B	146, 168, 0
Decimal	11033088
CIE Lab	46.49, 27.05, 55.19
CIE LCh	46, 61.468, 63.888
Yxy	15.6372, 0.5293, 0.4179
Android (android.graphics.Color)	4289223168 (0xFFA85A00)
YUV	103.0620, -50.8096, 56.9506
Hunter-Lab	39.5439, 20.2002, 24.7185

Details

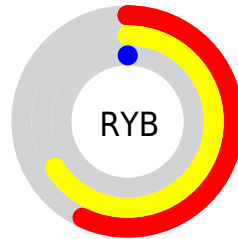
The Yxy color **15.6372, 0.5293, 0.4179** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2838, 0.1743, 0.1474**, and the grayscale version is **13.7050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0340, 0.4865, 0.4110**, and **4.9790, 0.5632, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **15.6341, 0.5293, 0.4179**, and if you desaturate by 10%, it is **17.0641, 0.5099, 0.4224**.

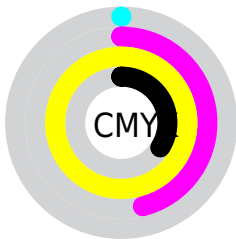
Distribution



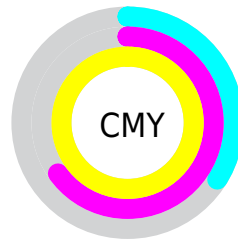
- Red (66%)
- Green (35%)
- Blue (0%)



- Red (57%)
- Yellow (66%)
- Blue (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (100%)
- Black (34%)





- Cyan (34%)
- Magenta (65%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6372, 0.5293, 0.4179 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 15.6372, 0.5293, 0.4179 by changing the saturation by 10% instead.


 15.6372, 0.5293,
0.4179

 15.6372, 0.5293,
0.4179


 227.1913, 0.4111,
0.3832


 9.2678, 0.5576,
0.4180


 35.9672, 0.4866,
0.4109


 4.9163, 0.5896,
0.4104


 50.6966, 0.4701,
0.4062


 2.1982, 0.6175,
0.3825

 68.9815, 0.4562,
0.4016

 0.7190, 0.6685,
0.3315

 91.2061, 0.4444,
0.3972


 0.0000, 1.0000,
0.0000

 117.7551, 0.4342,
0.3932

 0.0000, 0.0000,
0.0000


 149.0127, 0.4254,


0.3896

 185.3633, 0.4178,
0.3862

 15.6372, 0.5293,
0.4179


 15.6372, 0.5293,
0.4179


 15.6341, 0.5293,
0.4179

 17.0641, 0.5099,
0.4224

 18.6660, 0.4878,
0.4226

 20.4613, 0.4633,
0.4178

 22.4599, 0.4377,
0.4090

 24.6706, 0.4124,
0.3974

■ 27.1014, 0.3884,
0.3840

■ 29.7598, 0.3663,
0.3699

■ 32.6530, 0.3463,
0.3558

■ 35.7875, 0.3284,
0.3420

Harmonies

Analogous

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



15.6372, 0.5431, 0.3396



15.6372, 0.5293, 0.4179



15.6372, 0.4549, 0.5015

Triad

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



15.6372, 0.5293, 0.4179



15.6372, 0.1647, 0.3762



15.6372, 0.2329, 0.1711

Complementary

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



15.6372, 0.5293, 0.4179



8.2838, 0.1743, 0.1474

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.



15.6372, 0.1605, 0.1612



15.6372, 0.5293, 0.4179



15.6372, 0.1266, 0.2500

Square

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



15.6372, 0.5293, 0.4179



15.6372, 0.2469, 0.5168



15.6372, 0.1268, 0.1832



15.6372, 0.3468, 0.2086

Rectangle

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



15.6372, 0.5293, 0.4179



15.6372, 0.3883, 0.5465



15.6372, 0.1268, 0.1832



15.6372, 0.2040, 0.1646

Sweetspot

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



15.6380, 0.5293, 0.4179



53.7092, 0.3675, 0.3707



8.8826, 0.5084, 0.2575



11.2735, 0.3762, 0.3765



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.6380, 0.5293, 0.4179



27.9347, 0.5318, 0.4159



35.7310, 0.4136, 0.5098



8.1827, 0.3273, 0.3411



11.9091, 0.5280, 0.4190



0.3906, 0.4834, 0.4544

Inverse Universe

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



8.2838, 0.1743, 0.1474



14.6033, 0.1734, 0.1442



2.8648, 0.1512, 0.0607



7.8533, 0.2987, 0.3166



6.3530, 0.1748, 0.1491



0.2576, 0.1926, 0.2132

Previews

White Background



This preview shows how the Yxy color 15.6372, 0.5293, 0.4179 looks on a white 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

Black Background



This preview shows how the Yxy color 15.6372, 0.5293, 0.4179 looks on a black 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

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

Yxy 15.6372, 0.5293, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 15.6372, 0.5293, 0.4179.



This preview shows how white text looks on a background with the Yxy color 15.6372, 0.5293, 0.4179.

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

15.6372, 0.5293, 0.4179

Protanopia

15.7606, 0.4350, 0.4821

Deuteranopia

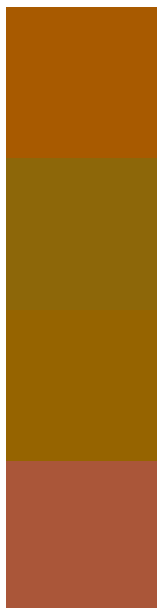
15.6786, 0.4703, 0.4648



Tritanopia

15.7368, 0.4441, 0.3205

Trichromacy



Original Color

15.6372, 0.5293, 0.4179

Protanomaly

15.3829, 0.4719, 0.4570

Deuteranomaly

15.5984, 0.4918, 0.4477

Tritanomaly

15.4970, 0.4925, 0.3697

Monochromacy



Original Color

15.6372, 0.5293, 0.4179

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6407, 0.4054, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6372, 0.5293, 0.4179 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(168, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 90, 0)  
}
```

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(168, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6372, 0.5293, 0.4179 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(168, 90, 0) }
```

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

```
.border{ border-color:rgb(168, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6372, 0.5293, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 90, 0) }
```

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

```
.background{ background-color: rgb(168, 90,  
0) }
```

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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