

Converting Colors

$Y_{xy}(15.6064, 0.5335, 0.4451)$

Have a look what the booklet for
Yxy(15.6064, 0.5335, 0.4451)
contains.

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Color

Yxy(15.6868, 0.5162, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	A25E00
RGB	162, 94, 0
RGB Percent	64%, 37%, 0%
CMY	0.3647, 0.6313, 1.0000
CMYK	0.00, 0.42, 1.00, 0.36
HSL	35°, 100%, 32%
HSV	35°, 100%, 64%
XYZ	18.9018, 15.6868, 2.0286
YIQ	103.6160, 70.7020, -14.8180

Conversions

Conversions Part 2

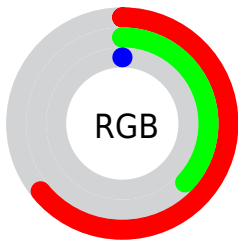
Format	Color
R_{YB}	117, 162, 0
Decimal	10640896
CIE _{Lab}	46.56, 22.19, 54.84
CIE _{LCh}	47, 59.162, 67.971
Yxy	15.6868, 0.5162, 0.4284
Android (android.graphics.Color)	4288830976 (0xFFA25E00)
YUV	103.6160, -51.0827, 51.2028
Hunter-Lab	39.6066, 15.8756, 24.6878

Details

The Yxy color **15.6868, 0.5162, 0.4284** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7409, 0.1705, 0.1339**, and the grayscale version is **13.8611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1066, 0.4761, 0.4186**, and **4.9761, 0.5464, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **15.6879, 0.5162, 0.4284**, and if you desaturate by 10%, it is **16.9889, 0.4987, 0.4316**.

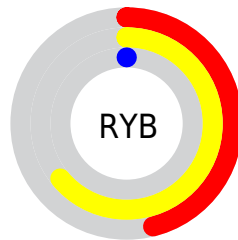
Distribution



Red (64%)

Green (37%)

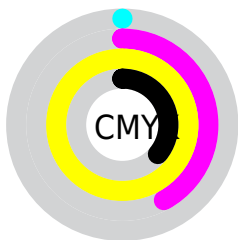
Blue (0%)



Red (46%)

Yellow (64%)

Blue (0%)

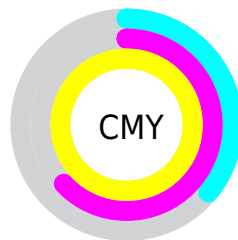


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6868, 0.5162, 0.4284 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 15.6868, 0.5162, 0.4284 by changing the saturation by 10% instead.


 15.6868, 0.5162,
0.4284


 15.6868, 0.5162,
0.4284


 227.4864, 0.4054,
0.3861


 9.3028, 0.5423,
0.4311


 36.0536, 0.4763,
0.4180


 4.9392, 0.5724,
0.4276

 50.8052, 0.4609,
0.4122

 2.2116, 0.5962,
0.4038

 69.1148, 0.4478,
0.4068

 0.7263, 0.6408,
0.3592

 91.3668, 0.4367,
0.4018


 0.0000, 1.0000,
0.0000

 117.9455, 0.4272,
0.3972


 0.0000, 0.0000,
0.0000


 149.2355, 0.4189,


0.3931


 185.6210, 0.4117,
0.3895


 15.6868, 0.5162,
0.4284

 15.6868, 0.5162,
0.4284


 15.6879, 0.5162,
0.4284

 16.9889, 0.4987,
0.4316

 18.4295, 0.4788,
0.4307

 20.0253, 0.4564,
0.4249

 21.7843, 0.4328,
0.4152

 23.7137, 0.4092,
0.4026

■ 25.8198, 0.3864,
0.3882

■ 28.1088, 0.3652,
0.3731

■ 30.5864, 0.3458,
0.3579

■ 33.2577, 0.3283,
0.3431

Harmonies

Analogous

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



15.6868, 0.5381, 0.3508



15.6868, 0.5162, 0.4284



15.6868, 0.4397, 0.5076

Triad

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



15.6868, 0.5162, 0.4284



15.6868, 0.1621, 0.3556



15.6868, 0.2486, 0.1789

Complementary

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



15.6868, 0.5162, 0.4284



6.7409, 0.1705, 0.1339

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.



15.6868, 0.1721, 0.1655



15.6868, 0.5162, 0.4284



15.6868, 0.1298, 0.2414

Square

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



15.6868, 0.5162, 0.4284



15.6868, 0.2372, 0.4936



15.6868, 0.1343, 0.1828



15.6868, 0.3628, 0.2191

Rectangle

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



15.6868, 0.5162, 0.4284



15.6868, 0.3739, 0.5448



15.6868, 0.1343, 0.1828



15.6868, 0.2185, 0.1713

Sweetspot

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



15.6879, 0.5162, 0.4284



50.7872, 0.3664, 0.3740



8.1255, 0.5217, 0.2648



11.0244, 0.3747, 0.3801



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.6879, 0.5162, 0.4284



28.0678, 0.5184, 0.4266



32.4367, 0.4078, 0.5144



7.7366, 0.3271, 0.3420



12.4467, 0.5151, 0.4292



0.3520, 0.4724, 0.4631

Inverse Universe

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



6.7409, 0.1705, 0.1339



11.8514, 0.1696, 0.1305



2.6782, 0.1524, 0.0613



7.3257, 0.2987, 0.3156



5.3926, 0.1710, 0.1355



0.2058, 0.1910, 0.2077

Previews

White Background



This preview shows how the Yxy color 15.6868, 0.5162, 0.4284 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 15.6868, 0.5162, 0.4284 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 15.6868, 0.5162, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 15.6868, 0.5162, 0.4284.



This preview shows how white text looks on a background with the Yxy color 15.6868, 0.5162, 0.4284.

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

15.6868, 0.5162, 0.4284

Protanopia

15.7579, 0.4354, 0.4827

Deuteranopia

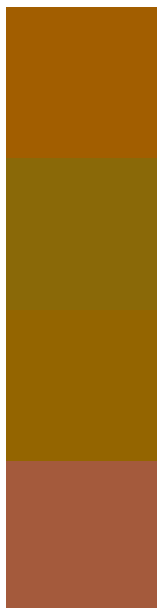
15.6786, 0.4703, 0.4648



Tritanopia

15.6239, 0.4268, 0.3184

Trichromacy



Original Color

15.6868, 0.5162, 0.4284

Protanomaly

15.5240, 0.4649, 0.4633

Deuteranomaly

15.6033, 0.4876, 0.4511

Tritanomaly

15.5311, 0.4762, 0.3739

Monochromacy



Original Color

15.6868, 0.5162, 0.4284

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.8677, 0.4004, 0.3967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6868, 0.5162, 0.4284 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(162, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 94, 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(162, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6868, 0.5162, 0.4284 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(162, 94, 0) }
```

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

```
.border{ border-color:rgb(162, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6868, 0.5162, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 94, 0) }
```

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

```
.background{ background-color: rgb(162, 94,  
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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