

Converting Colors

$Y_{xy}(15.2001, 0.5829, 0.4171)$

Have a look what the booklet for
Yxy(15.2001, 0.5829, 0.4171)
contains.

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Color

$Y_{xy}(15.4406, 0.5566, 0.3962)$

Conversions

Conversions Part 1

Format	Color
Hex	B45000
RGB	180, 80, 0
RGB Percent	71%, 31%, 0%
CMY	0.2941, 0.6863, 0.9997
CMYK	0.00, 0.56, 1.00, 0.29
HSL	27°, 100%, 35%
HSV	27°, 100%, 71%
XYZ	21.6917, 15.4406, 1.8395
YIQ	100.7800, 85.2800, -3.6800

Conversions

Conversions Part 2

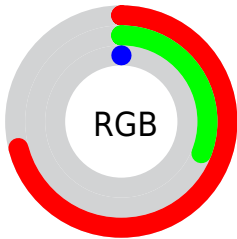
Format	Color
R_{YB}	180, 144, 0
Decimal	11816960
CIE Lab	46.23, 37.31, 55.98
CIE LCh	46, 67.274, 56.314
Yxy	15.4406, 0.5566, 0.3962
Android (android.graphics.Color)	4290007040 (0xFFB45000)
YUV	100.7800, -49.6845, 69.4759
Hunter-Lab	39.2945, 29.7715, 24.7307

Details

The Yxy color **15.4406, 0.5566, 0.3962** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.4265, 0.1826, 0.1772**, and the grayscale version is **13.0713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6955, 0.5075, 0.3967**, and **4.8505, 0.6009, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **15.4341, 0.5567, 0.3962**, and if you desaturate by 10%, it is **17.0611, 0.5337, 0.4031**.

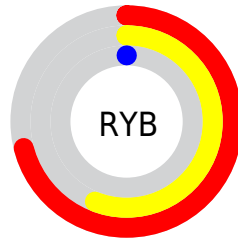
Distribution



Red (71%)

Green (31%)

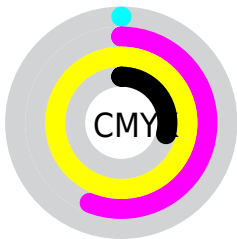
Blue (0%)



Red (71%)

Yellow (56%)

Blue (0%)

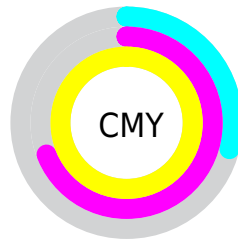


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4406, 0.5566, 0.3962 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 15.4406, 0.5566, 0.3962 by changing the saturation by 10% instead.


 15.4406, 0.5566,
0.3962


 15.4406, 0.5566,
0.3962


 226.0178, 0.4230,
0.3770


 9.1292, 0.5892,
0.3913


 35.6243, 0.5083,
0.3961


 4.8255, 0.6245,
0.3755

 50.2654, 0.4897,
0.3937


 2.1453, 0.6599,
0.3401

 68.4518, 0.4740,
0.3908

 0.6899, 0.7223,
0.2777

 90.5679, 0.4606,
0.3878


 0.0000, 1.0000,
0.0000


 116.9982, 0.4492,
0.3849


 0.0000, 0.0000,
0.0000


 148.1270, 0.4393,


0.3821

 184.3387, 0.4306,
0.3795

 15.4406, 0.5566,
0.3962


 15.4406, 0.5566,
0.3962


 15.4341, 0.5567,
0.3962

 17.0611, 0.5337,
0.4031

 18.9481, 0.5072,
0.4055

 21.1262, 0.4779,
0.4028

 23.6107, 0.4481,
0.3960

 26.4154, 0.4193,
0.3864

■ 29.5533, 0.3926,
0.3752

■ 33.0361, 0.3685,
0.3633

■ 36.8753, 0.3473,
0.3514

■ 41.0815, 0.3287,
0.3399

Harmonies

Analogous

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



15.4406, 0.5533, 0.3168



15.4406, 0.5566, 0.3962



15.4406, 0.4855, 0.4868

Triad

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



15.4406, 0.5566, 0.3962



15.4406, 0.1695, 0.4232



15.4406, 0.2021, 0.1549

Complementary

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



15.4406, 0.5566, 0.3962



12.4265, 0.1826, 0.1772

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.



15.4406, 0.1375, 0.1519



15.4406, 0.5566, 0.3962



15.4406, 0.1192, 0.2692

Square

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



15.4406, 0.5566, 0.3962



15.4406, 0.2656, 0.5640



15.4406, 0.1114, 0.1837



15.4406, 0.3141, 0.1871

Rectangle

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



15.4406, 0.5566, 0.3962



15.4406, 0.4167, 0.5458



15.4406, 0.1114, 0.1837



15.4406, 0.1756, 0.1506

Sweetspot

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



15.4415, 0.5566, 0.3962



59.5292, 0.3698, 0.3640



10.6654, 0.4674, 0.2349



12.2868, 0.3795, 0.3690



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



15.4415, 0.5566, 0.3962



27.5367, 0.5594, 0.3940



37.7113, 0.4314, 0.4956



9.1059, 0.3276, 0.3392



10.9019, 0.5547, 0.3978



0.4600, 0.5077, 0.4351

Inverse Universe

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



12.4265, 0.1826, 0.1772



22.0449, 0.1818, 0.1745



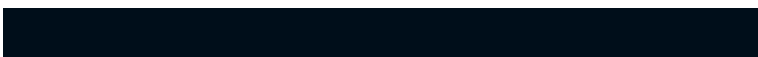
3.5608, 0.1512, 0.0643



8.9872, 0.2985, 0.3186



8.8030, 0.1831, 0.1790



0.3911, 0.1959, 0.2251

Previews

White Background



This preview shows how the Yxy color 15.4406, 0.5566, 0.3962 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 15.4406, 0.5566, 0.3962 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 15.4406, 0.5566, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 15.4406, 0.5566, 0.3962.



This preview shows how white text looks on a background with the Yxy color 15.4406, 0.5566, 0.3962.

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

15.4406, 0.5566, 0.3962

Protanopia

15.6944, 0.4323, 0.4813

Deuteranopia

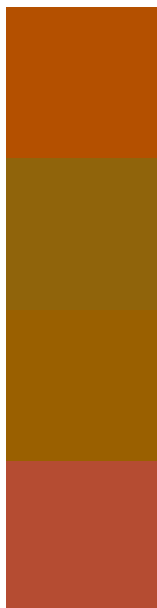
15.5921, 0.4690, 0.4658



Tritanopia

15.4072, 0.4853, 0.3229

Trichromacy



Original Color

15.4406, 0.5566, 0.3962

Protanomaly

15.0678, 0.4803, 0.4489

Deuteranomaly

15.2358, 0.5037, 0.4383

Tritanomaly

15.2229, 0.5261, 0.3605

Monochromacy



Original Color

15.4406, 0.5566, 0.3962

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9447, 0.4180, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4406, 0.5566, 0.3962 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(180, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 80, 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(180, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 80, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4406, 0.5566, 0.3962 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(180, 80, 0) }
```

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

```
.border{ border-color:rgb(180, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 80, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4406, 0.5566, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 80, 0) }
```

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

```
.background{ background-color: rgb(180, 80,  
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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