

Converting Colors

$Y_{xy}(15.6474, 0.5247, 0.4318)$

Have a look what the booklet for
Yxy(15.6474, 0.5247, 0.4318)
contains.

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Color

Yxy(15.6152, 0.5190, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	A35D00
RGB	163, 93, 0
RGB Percent	64%, 36%, 0%
CMY	0.3608, 0.6353, 0.9999
CMYK	0.00, 0.43, 1.00, 0.36
HSL	34°, 100%, 32%
HSV	34°, 100%, 64%
XYZ	19.0197, 15.6152, 2.0119
YIQ	103.3280, 71.5730, -14.0830

Conversions

Conversions Part 2

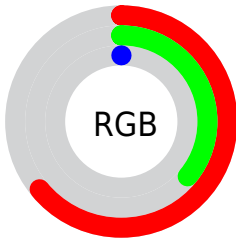
Format	Color
RYB	123, 163, 0
Decimal	10706176
CIELab	46.47, 23.21, 54.82
CIELCh	46, 59.534, 67.058
Yxy	15.6152, 0.5190, 0.4261
Android (android.graphics.Color)	4288896256 (0xFFA35D00)
YUV	103.3280, -50.9407, 52.3323
Hunter-Lab	39.5161, 16.7616, 24.6426

Details

The Yxy color **15.6152, 0.5190, 0.4261** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0277, 0.1713, 0.1368**, and the grayscale version is **13.7796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9607, 0.4781, 0.4171**, and **4.9572, 0.5505, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **15.6148, 0.5190, 0.4261**, and if you desaturate by 10%, it is **16.9403, 0.5011, 0.4296**.

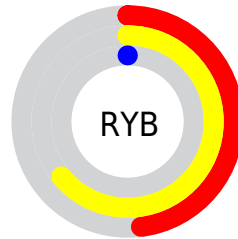
Distribution



Red (64%)

Green (36%)

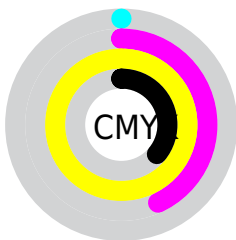
Blue (0%)



Red (48%)

Yellow (64%)

Blue (0%)

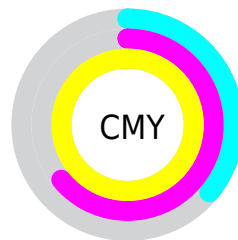


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6152, 0.5190, 0.4261 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 15.6152, 0.5190, 0.4261 by changing the saturation by 10% instead.


 15.6152, 0.5190,
0.4261


 15.6152, 0.5190,
0.4261


 227.0603, 0.4065,
0.3854


 9.2523, 0.5457,
0.4283


 35.9289, 0.4785,
0.4164


 4.9061, 0.5762,
0.4238

 50.6484, 0.4628,
0.4109

 2.1923, 0.6010,
0.3990

 68.9223, 0.4495,
0.4056

 0.7158, 0.6476,
0.3524

 91.1348, 0.4383,
0.4007


 0.0000, 1.0000,
0.0000


 117.6705, 0.4286,
0.3963


 0.0000, 0.0000,
0.0000


 148.9137, 0.4202,

0.3923


 185.2489, 0.4129,
0.3887


 15.6152, 0.5190,
0.4261

 15.6152, 0.5190,
0.4261


 15.6148, 0.5190,
0.4261

 16.9403, 0.5011,
0.4296

 18.4109, 0.4807,
0.4290

 20.0439, 0.4579,
0.4234

 21.8475, 0.4338,
0.4138

 23.8292, 0.4099,
0.4014

■ 25.9958, 0.3869,
0.3873

■ 28.3536, 0.3654,
0.3724

■ 30.9085, 0.3459,
0.3574

■ 33.6660, 0.3283,
0.3428

Harmonies

Analogous

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



15.6152, 0.5391, 0.3484



15.6152, 0.5190, 0.4261



15.6152, 0.4430, 0.5063

Triad

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



15.6152, 0.5190, 0.4261



15.6152, 0.1627, 0.3600



15.6152, 0.2452, 0.1772

Complementary

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



15.6152, 0.5190, 0.4261



7.0277, 0.1713, 0.1368

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.



15.6152, 0.1696, 0.1646



15.6152, 0.5190, 0.4261



15.6152, 0.1292, 0.2433

Square

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



15.6152, 0.5190, 0.4261



15.6152, 0.2393, 0.4986



15.6152, 0.1327, 0.1829



15.6152, 0.3593, 0.2168

Rectangle

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



15.6152, 0.5190, 0.4261



15.6152, 0.3771, 0.5452



15.6152, 0.1327, 0.1829



15.6152, 0.2153, 0.1699

Sweetspot

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



15.6160, 0.5190, 0.4261



50.5265, 0.3666, 0.3732



8.2379, 0.5218, 0.2648



10.9598, 0.3750, 0.3793



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.



15.6160, 0.5190, 0.4261



27.5578, 0.5213, 0.4243



32.8856, 0.4078, 0.5144



7.7252, 0.3271, 0.3418



12.2260, 0.5178, 0.4270



0.3482, 0.4739, 0.4620

Inverse Universe

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



7.0277, 0.1713, 0.1368



12.2018, 0.1704, 0.1336



2.7153, 0.1524, 0.0613



7.3369, 0.2987, 0.3158



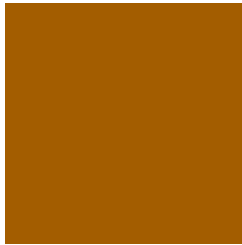
5.5472, 0.1718, 0.1384



0.2096, 0.1917, 0.2102

Previews

White Background



This preview shows how the Yxy color 15.6152, 0.5190, 0.4261 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 15.6152, 0.5190, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

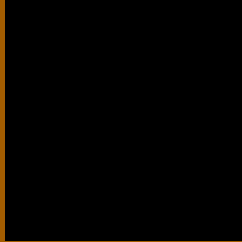
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6152, 0.5190, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 15.6152, 0.5190, 0.4261.



This preview shows how white text looks on a background with the Yxy color 15.6152, 0.5190, 0.4261.

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

15.6152, 0.5190, 0.4261

Protanopia

15.7579, 0.4354, 0.4827

Tritanopia

15.5529, 0.4307, 0.3185

Trichromacy



Original Color

15.6152, 0.5190, 0.4261

Protanomaly

15.4071, 0.4679, 0.4609

Tritanomaly

15.4599, 0.4800, 0.3733

Monochromacy



Original Color

15.6152, 0.5190, 0.4261

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6770, 0.4013, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6152, 0.5190, 0.4261 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(163, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 93, 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(163, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6152, 0.5190, 0.4261 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(163, 93, 0) }
```

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

```
.border{ border-color:rgb(163, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 15.6152, 0.5190, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 93, 0) }
```

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

```
.background{ background-color: rgb(163, 93,  
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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