

Converting Colors

$Yxy(16.8317, 0.5288, 0.4184)$

Have a look what the booklet for
Yxy(16.8317, 0.5288, 0.4184)
contains.

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Color

$Y_{xy}(16.7129, 0.5291, 0.4181)$

Conversions

Conversions Part 1

Format	Color
Hex	AD5D00
RGB	173, 93, 0
RGB Percent	68%, 36%, 0%
CMY	0.3215, 0.6353, 1.0000
CMYK	0.00, 0.46, 1.00, 0.32
HSL	32°, 100%, 34%
HSV	32°, 100%, 68%
XYZ	21.1500, 16.7129, 2.1106
YIQ	106.3180, 77.5330, -11.9630

Conversions

Conversions Part 2

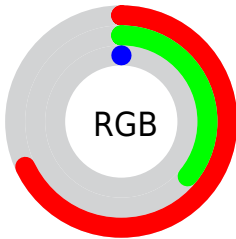
Format	Color
RYB	149, 173, 0
Decimal	11361536
CIELab	47.90, 27.57, 56.44
CIElCh	48, 62.816, 63.962
Yxy	16.7129, 0.5291, 0.4181
Android (android.graphics.Color)	4289551616 (0xFFAD5D00)
YUV	106.3180, -52.4148, 58.4801
Hunter-Lab	40.8814, 20.8043, 25.5560

Details

The Yxy color **16.7129, 0.5291, 0.4181** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.7572, 0.1740, 0.1463**, and the grayscale version is **14.6363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7759, 0.4871, 0.4112**, and **5.4542, 0.5639, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **16.7138, 0.5291, 0.4181**, and if you desaturate by 10%, it is **18.2342, 0.5099, 0.4228**.

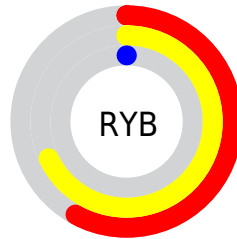
Distribution



Red (68%)

Green (36%)

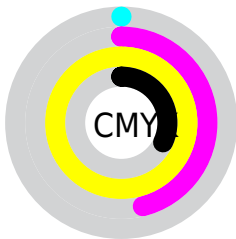
Blue (0%)



Red (58%)

Yellow (68%)

Blue (0%)

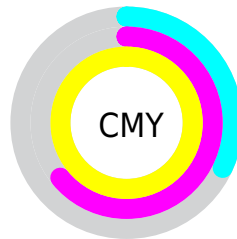


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7129, 0.5291, 0.4181 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 16.7129, 0.5291, 0.4181 by changing the saturation by 10% instead.


 16.7129, 0.5291,
0.4181


 16.7129, 0.5291,
0.4181


233.5124, 0.4122,
0.3838


 10.0300, 0.5561,
0.4179


 37.8315, 0.4872,
0.4112


 5.4189, 0.5884,
0.4116

 53.0360, 0.4710,
0.4066


 2.4951, 0.6149,
0.3851

 71.8498, 0.4572,
0.4021

 0.8742, 0.6595,
0.3405

 94.6573, 0.4455,
0.3978


 0.0000, 1.0000,
0.0000


 121.8429, 0.4354,
0.3938


 0.0000, 0.0000,
0.0000


 153.7911, 0.4266,

0.3902


 190.8861, 0.4190,
0.3869


 16.7129, 0.5291,
0.4181


 16.7129, 0.5291,
0.4181


 16.7138, 0.5291,
0.4181

 18.2342, 0.5099,
0.4228

 19.9420, 0.4880,
0.4230

 21.8557, 0.4634,
0.4183

 23.9859, 0.4379,
0.4095

 26.3421, 0.4126,
0.3978

■ 28.9328, 0.3886,
0.3844

■ 31.7661, 0.3664,
0.3702

■ 34.8496, 0.3464,
0.3560

■ 38.1903, 0.3285,
0.3421

Harmonies

Analogous

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



16.7129, 0.5431, 0.3398



16.7129, 0.5291, 0.4181



16.7129, 0.4546, 0.5016

Triad

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



16.7129, 0.5291, 0.4181



16.7129, 0.1647, 0.3758



16.7129, 0.2332, 0.1712

Complementary

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



16.7129, 0.5291, 0.4181



8.7572, 0.1740, 0.1463

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.



16.7129, 0.1607, 0.1613



16.7129, 0.5291, 0.4181



16.7129, 0.1266, 0.2498

Square

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



16.7129, 0.5291, 0.4181



16.7129, 0.2467, 0.5164



16.7129, 0.1269, 0.1832



16.7129, 0.3471, 0.2087

Rectangle

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



16.7129, 0.5291, 0.4181



16.7129, 0.3881, 0.5465



16.7129, 0.1269, 0.1832



16.7129, 0.2042, 0.1647

Sweetspot

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



16.7138, 0.5291, 0.4181



56.6058, 0.3675, 0.3710



9.4758, 0.5090, 0.2577



11.8435, 0.3764, 0.3768



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.



16.7138, 0.5291, 0.4181



29.4936, 0.5314, 0.4162



38.1341, 0.4136, 0.5098



8.7015, 0.3274, 0.3412



12.3923, 0.5276, 0.4193



0.4527, 0.4867, 0.4517

Inverse Universe

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



8.7572, 0.1740, 0.1463



15.2602, 0.1732, 0.1433



3.0548, 0.1511, 0.0606



8.3448, 0.2986, 0.3165



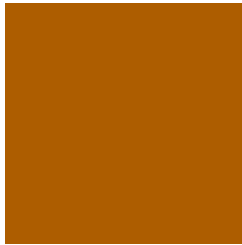
6.5446, 0.1745, 0.1482



0.2922, 0.1908, 0.2070

Previews

White Background



This preview shows how the Yxy color 16.7129, 0.5291, 0.4181 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 16.7129, 0.5291, 0.4181 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 16.7129, 0.5291, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 16.7129, 0.5291, 0.4181.



This preview shows how white text looks on a background with the Yxy color 16.7129, 0.5291, 0.4181.

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

16.7129, 0.5291, 0.4181

Protanopia

16.9603, 0.4347, 0.4831

Tritanopia

16.6760, 0.4443, 0.3192

Trichromacy



Original Color

16.7129, 0.5291, 0.4181

Protanomaly

16.5549, 0.4705, 0.4586

Tritanomaly

16.5745, 0.4921, 0.3700

Monochromacy



Original Color

16.7129, 0.5291, 0.4181

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4584, 0.4058, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7129, 0.5291, 0.4181 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, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7129, 0.5291, 0.4181 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, 93, 0) }
```

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

```
.border{ border-color:rgb(173, 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(173, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 16.7129, 0.5291, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 93, 0) }
```

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

```
.background{ background-color: rgb(173, 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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