

Converting Colors

$Y_{xy}(18.2271, 0.5051, 0.4252)$

Have a look what the booklet for
Yxy(18.2271, 0.5051, 0.4252)
contains.

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Color

Yxy(18.2077, 0.5054, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	AB6613
RGB	171, 102, 19
RGB Percent	67%, 40%, 7%
CMY	0.3295, 0.6000, 0.9252
CMYK	0.00, 0.40, 0.89, 0.33
HSL	33°, 80%, 37%
HSV	33°, 89%, 67%
XYZ	21.6624, 18.2077, 2.9918
YIQ	113.1690, 67.7670, -11.1850

Conversions

Conversions Part 2

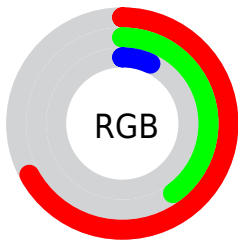
Format	Color
R_{YB}	145, 171, 19
Decimal	11232787
CIE _{Lab}	49.75, 22.02, 53.01
CIE _{LCh}	50, 57.399, 67.437
Yxy	18.2077, 0.5054, 0.4248
Android (android.graphics.Color)	4289422867 (0xFFAB6613)
YUV	113.1690, -46.4253, 50.7178
Hunter-Lab	42.6705, 15.9451, 25.7123

Details

The Yxy color **18.2077, 0.5054, 0.4248** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.0666, 0.1820, 0.1649**, and the grayscale version is **16.6948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2393, 0.4680, 0.4138**, and **6.1490, 0.5406, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **16.7103, 0.5243, 0.4207**, and if you desaturate by 10%, it is **19.8882, 0.4835, 0.4242**.

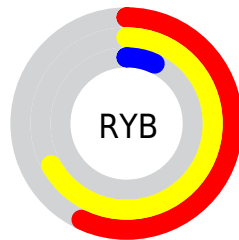
Distribution



Red (67%)

Green (40%)

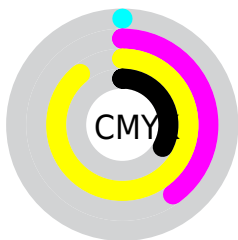
Blue (7%)



Red (57%)

Yellow (67%)

Blue (7%)

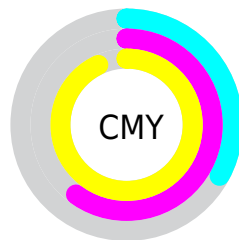


Cyan (0%)

Magenta (40%)

Yellow (89%)

Black (33%)



Cyan (33%)

Magenta (60%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2077, 0.5054, 0.4248 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 18.2077, 0.5054, 0.4248 by changing the saturation by 10% instead.


 18.2077, 0.5054,
0.4248


 18.2077, 0.5054,
0.4248


242.0392, 0.4012,
0.3831

 11.0992, 0.5296,
0.4283


 40.3909, 0.4676,
0.4135

 6.1336, 0.5663,
0.4337

 56.2344, 0.4531,
0.4079

 2.9265, 0.5866,
0.4134

 75.7584, 0.4409,
0.4027

 1.0935, 0.6206,
0.3794

 99.3473, 0.4305,
0.3979


 0.0000, 1.0000,
0.0000

 127.3854, 0.4216,
0.3936

 0.0000, 0.0000,
0.0000


 160.2571, 0.4139,


0.3897


 198.3469, 0.4071,
0.3863

 18.2077, 0.5054,
0.4248


 18.2077, 0.5054,
0.4248


 16.7103, 0.5243,
0.4207


 19.8882, 0.4835,
0.4242

 16.5472, 0.5265,
0.4201

 21.7644, 0.4592,
0.4188

 23.8472, 0.4340,
0.4094

 26.1454, 0.4091,
0.3972

 28.6671, 0.3856,
0.3835

■ 31.4198, 0.3638,
0.3691

■ 34.4107, 0.3441,
0.3547

■ 37.6464, 0.3266,
0.3408

■ 41.1334, 0.3110,
0.3275

Harmonies

Analogous

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



18.2077, 0.5221, 0.3511



18.2077, 0.5054, 0.4248



18.2077, 0.4362, 0.4970

Triad

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



18.2077, 0.5054, 0.4248



18.2077, 0.1731, 0.3568



18.2077, 0.2518, 0.1870

Complementary

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



18.2077, 0.5054, 0.4248



10.0666, 0.1820, 0.1649

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.



18.2077, 0.1797, 0.1749



18.2077, 0.5054, 0.4248



18.2077, 0.1405, 0.2502

Square

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



18.2077, 0.5054, 0.4248



18.2077, 0.2455, 0.4807



18.2077, 0.1437, 0.1928



18.2077, 0.3577, 0.2250

Rectangle

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



18.2077, 0.5054, 0.4248



18.2077, 0.3748, 0.5291



18.2077, 0.1437, 0.1928



18.2077, 0.2235, 0.1799

Sweetspot

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



18.2087, 0.5054, 0.4248



56.9874, 0.3610, 0.3671



9.8625, 0.4801, 0.2509



12.3309, 0.3678, 0.3719



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.



18.2087, 0.5054, 0.4248



29.2094, 0.5288, 0.4183



37.2681, 0.4114, 0.5045



8.7127, 0.3273, 0.3414



12.5822, 0.5252, 0.4212



0.4575, 0.4852, 0.4529

Inverse Universe

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



10.0666, 0.1820, 0.1649



14.5213, 0.1724, 0.1407



3.6038, 0.1581, 0.0716



8.3338, 0.2986, 0.3163



6.3887, 0.1738, 0.1456



0.2879, 0.1903, 0.2050

Previews

White Background



This preview shows how the Yxy color 18.2077, 0.5054, 0.4248 looks on a white background.

Color Contrast Check

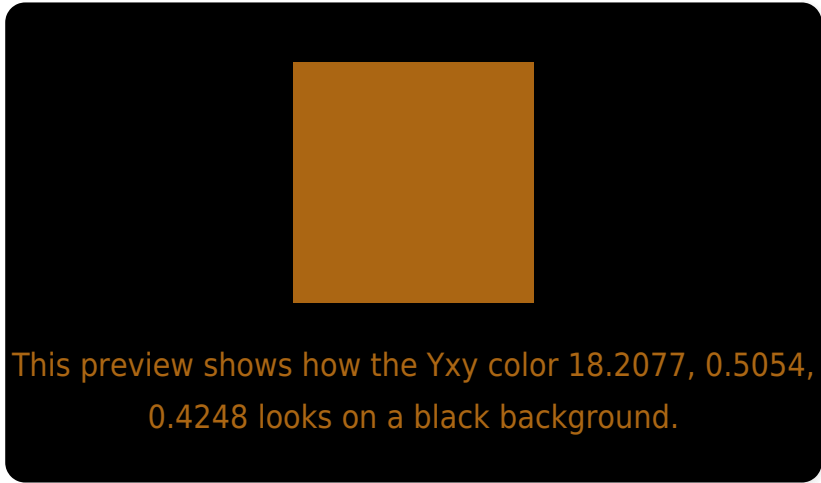
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

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

Yxy 18.2077, 0.5054, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 18.2077, 0.5054, 0.4248.



This preview shows how white text looks on a background with the Yxy color 18.2077, 0.5054, 0.4248.

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

18.2077, 0.5054, 0.4248

Protanopia

18.3279, 0.4316, 0.4767

Deuteranopia

18.3118, 0.4675, 0.4621



Tritanopia

18.2577, 0.4222, 0.3189

Trichromacy



Original Color

18.2077, 0.5054, 0.4248

Protanomaly

18.0712, 0.4584, 0.4581

Deuteranomaly

18.2329, 0.4824, 0.4480

Tritanomaly

18.2019, 0.4633, 0.3668

Monochromacy



Original Color

18.2077, 0.5054, 0.4248

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5701, 0.3887, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2077, 0.5054, 0.4248 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(171, 102, 19)` looks like.

```
.text, #text, p{  
    color:rgb(171, 102, 19)  
}
```

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(171, 102, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 102, 19) }
```

Border

The CSS property to change the border of an element to Yxy 18.2077, 0.5054, 0.4248 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(171, 102, 19) }
```

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

```
.border{ border-color:rgb(171, 102, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 102, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 102, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 102, 19);  
box-shadow:4px 4px 4px 4px rgb(171, 102,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2077, 0.5054, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 102, 19) }
```

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

```
.background{ background-color: rgb(171,  
102, 19) }
```

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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