

Converting Colors

$Y_{xy}(18.6194, 0.5075, 0.4185)$

Have a look what the booklet for
Yxy(18.6194, 0.5075, 0.4185)
contains.

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Color

Yxy(18.6827, 0.5071, 0.4193)

Conversions

Conversions Part 1

Format	Color
Hex	AF6618
RGB	175, 102, 24
RGB Percent	69%, 40%, 9%
CMY	0.3137, 0.6000, 0.9059
CMYK	0.00, 0.42, 0.86, 0.31
HSL	31°, 76%, 39%
HSV	31°, 86%, 69%
XYZ	22.5948, 18.6827, 3.2794
YIQ	114.9350, 68.5460, -8.7820

Conversions

Conversions Part 2

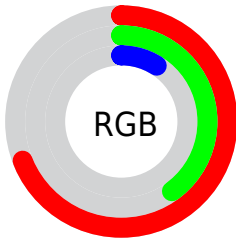
Format	Color
R_{YB}	165, 175, 24
Decimal	11494936
CIE _{Lab}	50.31, 23.90, 52.11
CIE _{LCh}	50, 57.328, 65.360
Yxy	18.6827, 0.5071, 0.4193
Android (android.graphics.Color)	4289685016 (0xFFAF6618)
YUV	114.9350, -44.8310, 52.6770
Hunter-Lab	43.2235, 17.6686, 25.7581

Details

The Yxy color **18.6827, 0.5071, 0.4193** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.8368, 0.1865, 0.1782**, and the grayscale version is **17.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1371, 0.4695, 0.4085**, and **6.4202, 0.5458, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **17.0531, 0.5279, 0.4153**, and if you desaturate by 10%, it is **20.5299, 0.4830, 0.4181**.

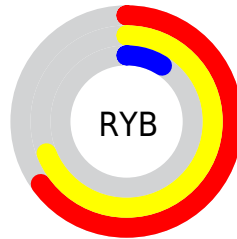
Distribution



Red (69%)

Green (40%)

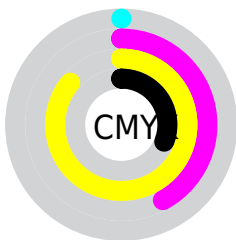
Blue (9%)



Red (65%)

Yellow (69%)

Blue (9%)

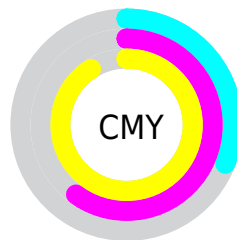


Cyan (0%)

Magenta (42%)

Yellow (86%)

Black (31%)



Cyan (31%)


Magenta (60%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6827, 0.5071, 0.4193 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 18.6827, 0.5071, 0.4193 by changing the saturation by 10% instead.


 18.6827, 0.5071,
0.4193


 18.6827, 0.5071,
0.4193


244.6914, 0.4017,
0.3807


 11.4412, 0.5320,
0.4223


 41.1972, 0.4687,
0.4091


 6.3644, 0.5712,
0.4281


 57.2391, 0.4540,
0.4039


 3.0679, 0.5928,
0.4072

 76.9832, 0.4417,
0.3990

 1.1673, 0.6278,
0.3722

 100.8140, 0.4312,
0.3946


 0.0348, 0.9466,
0.0534

 129.1158, 0.4223,
0.3905

 0.0000, 0.0000,
0.0000


 162.2731, 0.4145,


0.3869

 200.6701, 0.4077,
0.3836

 18.6827, 0.5071,
0.4193


 18.6827, 0.5071,
0.4193


 17.0531, 0.5279,
0.4153


 20.5299, 0.4830,
0.4181

 16.4943, 0.5353,
0.4132

 22.6052, 0.4569,
0.4122

 24.9206, 0.4304,
0.4026

 27.4860, 0.4048,
0.3906

 30.3106, 0.3809,
0.3773

■ 33.4030, 0.3591,
0.3636

■ 36.7714, 0.3397,
0.3500

■ 40.4233, 0.3224,
0.3369

■ 44.3663, 0.3073,
0.3245

Harmonies

Analogous

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



18.6827, 0.5187, 0.3464



18.6827, 0.5071, 0.4193



18.6827, 0.4413, 0.4915

Triad

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



18.6827, 0.5071, 0.4193



18.6827, 0.1781, 0.3655



18.6827, 0.2462, 0.1863

Complementary

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



18.6827, 0.5071, 0.4193



11.8368, 0.1865, 0.1782

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.



18.6827, 0.1771, 0.1762



18.6827, 0.5071, 0.4193



18.6827, 0.1428, 0.2568

Square

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



18.6827, 0.5071, 0.4193



18.6827, 0.2525, 0.4858



18.6827, 0.1437, 0.1964



18.6827, 0.3494, 0.2225

Rectangle

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



18.6827, 0.5071, 0.4193



18.6827, 0.3813, 0.5252



18.6827, 0.1437, 0.1964



18.6827, 0.2190, 0.1799

Sweetspot

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



18.6837, 0.5071, 0.4193



59.7314, 0.3595, 0.3638



10.6772, 0.4622, 0.2433



12.8473, 0.3666, 0.3685



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.6837, 0.5071, 0.4193



29.1027, 0.5377, 0.4112



39.8375, 0.4156, 0.4991



8.6740, 0.3274, 0.3407



11.9366, 0.5336, 0.4145



0.4410, 0.4904, 0.4488

Inverse Universe

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



11.8368, 0.1865, 0.1782



16.6314, 0.1750, 0.1500



3.9426, 0.1585, 0.0740



8.3722, 0.2986, 0.3170



6.9456, 0.1764, 0.1550



0.3032, 0.1922, 0.2120

Previews

White Background



This preview shows how the Yxy color 18.6827, 0.5071, 0.4193 looks on a white background.

Color Contrast Check

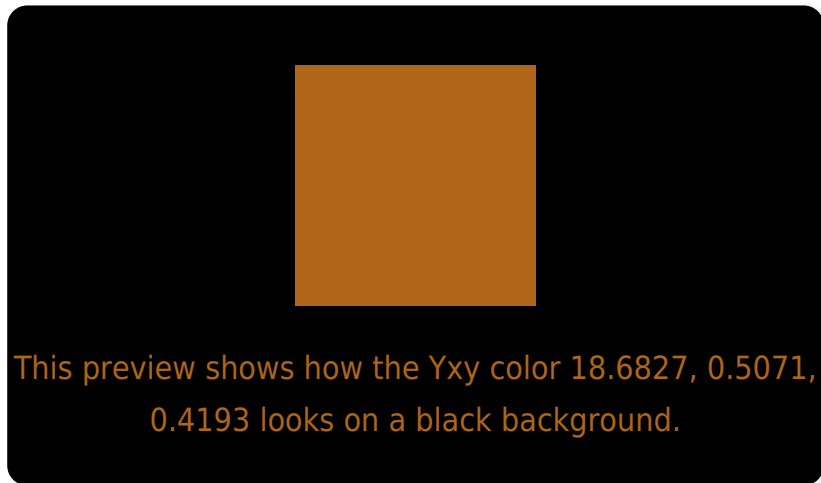
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 18.6827, 0.5071, 0.4193

Background



This preview shows how black text looks on a background with the Yxy color 18.6827, 0.5071, 0.4193.



This preview shows how white text looks on a background with the Yxy color 18.6827, 0.5071, 0.4193.

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

18.6827, 0.5071, 0.4193

Protanopia

18.9143, 0.4276, 0.4743

Deuteranopia

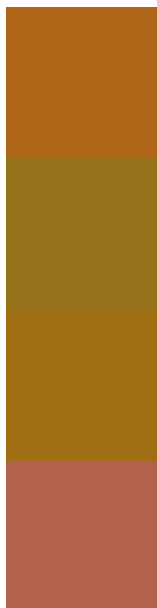
18.7474, 0.4659, 0.4582



Tritanopia

18.7274, 0.4275, 0.3192

Trichromacy



Original Color

18.6827, 0.5071, 0.4193

Protanomaly

18.5978, 0.4581, 0.4533

Deuteranomaly

18.6725, 0.4805, 0.4444

Tritanomaly

18.6948, 0.4655, 0.3631

Monochromacy



Original Color

18.6827, 0.5071, 0.4193

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0794, 0.3882, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6827, 0.5071, 0.4193 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(175, 102, 24)` looks like.

```
.text, #text, p{  
    color:rgb(175, 102, 24)  
}
```

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(175, 102, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 102, 24) }
```

Border

The CSS property to change the border of an element to Yxy 18.6827, 0.5071, 0.4193 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(175, 102, 24) }
```

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

```
.border{ border-color:rgb(175, 102, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 102, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 102, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 102, 24);  
box-shadow:4px 4px 4px 4px rgb(175, 102,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6827, 0.5071, 0.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 102, 24) }
```

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

```
.background{ background-color: rgb(175,  
102, 24) }
```

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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