

Converting Colors

$Y_{xy}(18.6636, 0.4983, 0.4351)$

Have a look what the booklet for
Yxy(18.6636, 0.4983, 0.4351)
contains.

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Color

Yxy(18.6620, 0.4983, 0.4351)

Conversions

Conversions Part 1

Format	Color
Hex	A86A0D
RGB	168, 106, 13
RGB Percent	66%, 42%, 5%
CMY	0.3412, 0.5843, 0.9490
CMYK	0.00, 0.37, 0.92, 0.34
HSL	36°, 86%, 35%
HSV	36°, 92%, 66%
XYZ	21.3727, 18.6620, 2.8566
YIQ	113.9360, 66.8050, -15.7790

Conversions

Conversions Part 2

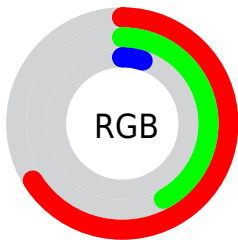
Format	Color
R_{YB}	116, 168, 13
Decimal	11037197
CIE Lab	50.29, 18.32, 54.86
CIE LCh	50, 57.842, 71.536
Yxy	18.6620, 0.4983, 0.4351
Android (android.graphics.Color)	4289227277 (0xFFA86A0D)
YUV	113.9360, -49.7614, 47.4141
Hunter-Lab	43.1995, 12.7127, 26.3191

Details

The Yxy color **18.6620, 0.4983, 0.4351** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.9416, 0.1749, 0.1425**, and the grayscale version is **16.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0376, 0.4636, 0.4216**, and **6.4429, 0.5239, 0.4222** is the 20% darker color. If you saturate the color by 10%, you get **17.5938, 0.5109, 0.4325**, and if you desaturate by 10%, it is **20.1661, 0.4801, 0.4351**.

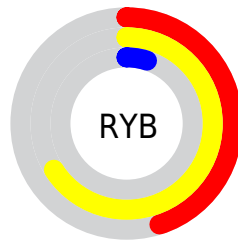
Distribution



Red (66%)

Green (42%)

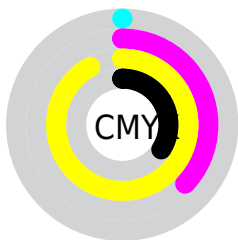
Blue (5%)



Red (45%)

Yellow (66%)

Blue (5%)

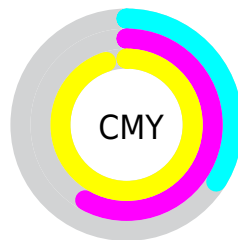


Cyan (0%)

Magenta (37%)

Yellow (92%)

Black (34%)



Cyan (34%)


Magenta (58%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6620, 0.4983, 0.4351 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 18.6620, 0.4983, 0.4351 by changing the saturation by 10% instead.


 18.6620, 0.4983,
0.4351


 18.6620, 0.4983,
0.4351


244.5764, 0.3993,
0.3876


 11.4263, 0.5205,
0.4402


 41.1622, 0.4629,
0.4216


 6.3543, 0.5530,
0.4470


 57.1954, 0.4492,
0.4152

 3.0617, 0.5699,
0.4301

 76.9300, 0.4375,
0.4092

 1.1640, 0.5984,
0.4016

 100.7503, 0.4276,
0.4039


 0.0320, 0.9371,
0.0629


 129.0407, 0.4190,
0.3991


 0.0000, 0.0000,
0.0000


 162.1856, 0.4115,


0.3949

 200.5693, 0.4050,
0.3910


 18.6620, 0.4983,
0.4351

 18.6620, 0.4983,
0.4351


 17.5938, 0.5109,
0.4325

 20.1661, 0.4801,
0.4351

 21.8256, 0.4590,
0.4300

 23.6505, 0.4364,
0.4207

 25.6481, 0.4134,
0.4082

 27.8255, 0.3909,
0.3937

■ 30.1890, 0.3696,
0.3782

■ 32.7445, 0.3499,
0.3625

■ 35.4976, 0.3321,
0.3470

■ 38.4536, 0.3161,
0.3322

Harmonies

Analogous

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



18.6620, 0.5238, 0.3609



18.6620, 0.4983, 0.4351



18.6620, 0.4242, 0.5053

Triad

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



18.6620, 0.4983, 0.4351



18.6620, 0.1663, 0.3397



18.6620, 0.2646, 0.1908

Complementary

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



18.6620, 0.4983, 0.4351



7.9416, 0.1749, 0.1425

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.



18.6620, 0.1873, 0.1750



18.6620, 0.4983, 0.4351



18.6620, 0.1391, 0.2395

Square

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



18.6620, 0.4983, 0.4351



18.6620, 0.2336, 0.4660



18.6620, 0.1468, 0.1884



18.6620, 0.3735, 0.2320

Rectangle

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



18.6620, 0.4983, 0.4351



18.6620, 0.3615, 0.5320



18.6620, 0.1468, 0.1884



18.6620, 0.2346, 0.1825

Sweetspot

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



18.6630, 0.4983, 0.4351



56.4882, 0.3620, 0.3723



9.1191, 0.5139, 0.2669



11.9034, 0.3704, 0.3789



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.6630, 0.4983, 0.4351



31.5029, 0.5130, 0.4309



34.7509, 0.4015, 0.5147



8.2628, 0.3271, 0.3425



13.3912, 0.5097, 0.4335



0.4218, 0.4729, 0.4627

Inverse Universe

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



7.9416, 0.1749, 0.1425



12.0594, 0.1679, 0.1243



3.3687, 0.1593, 0.0697



7.7745, 0.2986, 0.3151



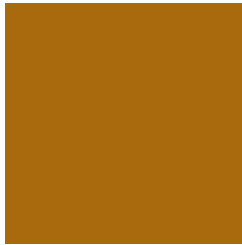
5.2775, 0.1693, 0.1293



0.2290, 0.1882, 0.1973

Previews

White Background



This preview shows how the Yxy color 18.6620, 0.4983, 0.4351 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



This preview shows how the Yxy color 18.6620, 0.4983, 0.4351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

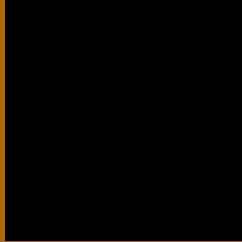
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6620, 0.4983, 0.4351

Background



This preview shows how black text looks on a background with the Yxy color 18.6620, 0.4983, 0.4351.



This preview shows how white text looks on a background with the Yxy color 18.6620, 0.4983, 0.4351.

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

18.6620, 0.4983, 0.4351

Protanopia

18.6275, 0.4343, 0.4810

Deuteranopia

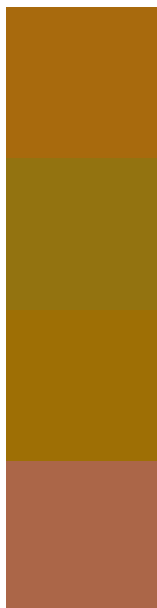
18.7100, 0.4708, 0.4644



Tritanopia

18.7349, 0.4095, 0.3187

Trichromacy



Original Color

18.6620, 0.4983, 0.4351

Protanomaly

18.5019, 0.4580, 0.4642

Deuteranomaly

18.6489, 0.4813, 0.4531

Tritanomaly

18.6285, 0.4555, 0.3735

Monochromacy



Original Color

18.6620, 0.4983, 0.4351

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9730, 0.3898, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6620, 0.4983, 0.4351 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(168, 106, 13)` looks like.

```
.text, #text, p{  
    color:rgb(168, 106, 13)  
}
```

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(168, 106, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 106, 13) }
```

Border

The CSS property to change the border of an element to Yxy 18.6620, 0.4983, 0.4351 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(168, 106, 13) }
```

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

```
.border{ border-color:rgb(168, 106, 13) }
```

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

Here you see how a box with a 4 pixel rgb(168, 106, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 106, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 106, 13);  
box-shadow:4px 4px 4px 4px rgb(168, 106,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6620, 0.4983, 0.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 106, 13) }
```

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

```
.background{ background-color: rgb(168,  
106, 13) }
```

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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