

Converting Colors

$Y_{xy}(18.2013, 0.4962, 0.4440)$

Have a look what the booklet for
Yxy(18.2013, 0.4962, 0.4440)
contains.

Yxy(18.0946, 0.4968, 0.4437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.0946, 0.4968, 0.4437)

Conversions

Conversions Part 1

Format	Color
Hex	A36A00
RGB	163, 106, 0
RGB Percent	64%, 42%, 0%
CMY	0.3607, 0.5843, 0.9997
CMYK	0.00, 0.35, 1.00, 0.36
HSL	39°, 100%, 32%
HSV	39°, 100%, 64%
XYZ	20.2601, 18.0946, 2.4265
YIQ	110.9590, 67.9980, -20.8820

Conversions

Conversions Part 2

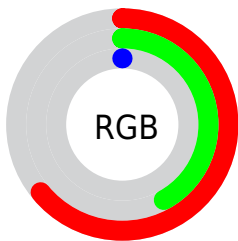
Format	Color
RYB	88, 163, 0
Decimal	10709504
CIELab	49.61, 15.87, 56.84
CIElCh	50, 59.015, 74.396
Yxy	18.0946, 0.4968, 0.4437
Android (android.graphics.Color)	4288899584 (0xFFA36A00)
YUV	110.9590, -54.7028, 45.6400
Hunter-Lab	42.5377, 10.5758, 26.3943

Details

The Yxy color **18.0946, 0.4968, 0.4437** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.5788, 0.1650, 0.1139**, and the grayscale version is **16.0336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1608, 0.4630, 0.4285**, and **6.1921, 0.5178, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **18.0907, 0.4968, 0.4437**, and if you desaturate by 10%, it is **19.3488, 0.4825, 0.4453**.

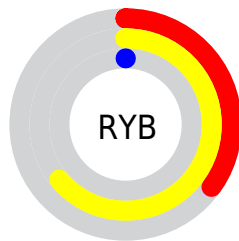
Distribution



Red (64%)

Green (42%)

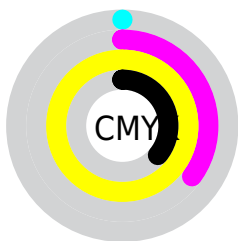
Blue (0%)



Red (35%)

Yellow (64%)

Blue (0%)

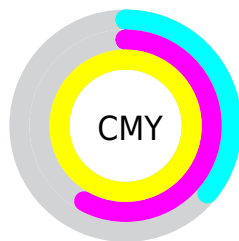


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0946, 0.4968, 0.4437 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 18.0946, 0.4968, 0.4437 by changing the saturation by 10% instead.


 18.0946, 0.4968,
0.4437


 18.0946, 0.4968,
0.4437


241.4037, 0.3994,
0.3918


 11.0179, 0.5178,
0.4495


 40.1985, 0.4625,
0.4289

 6.0789, 0.5454,
0.4546

 55.9944, 0.4490,
0.4218

 2.8931, 0.5608,
0.4392

 75.4656, 0.4375,
0.4153

 1.0762, 0.5872,
0.4128

 98.9964, 0.4276,
0.4095


 0.0000, 1.0000,
0.0000

 126.9712, 0.4191,
0.4043

 0.0000, 0.0000,
0.0000

 159.7745, 0.4117,

0.3997

 197.7905, 0.4052,
0.3955


 18.0946, 0.4968,
0.4437

 18.0946, 0.4968,
0.4437


 18.0907, 0.4968,
0.4437

 19.3488, 0.4825,
0.4453

 20.7128, 0.4659,
0.4429

 22.2020, 0.4467,
0.4358

 23.8234, 0.4259,
0.4247

 25.5833, 0.4047,
0.4107

■ 27.4871, 0.3837,
0.3948

■ 29.5402, 0.3637,
0.3781

■ 31.7471, 0.3451,
0.3612

■ 34.1124, 0.3281,
0.3447

Harmonies

Analogous

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



18.0946, 0.5300, 0.3675



18.0946, 0.4968, 0.4437



18.0946, 0.4172, 0.5150

Triad

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



18.0946, 0.4968, 0.4437



18.0946, 0.1582, 0.3276



18.0946, 0.2726, 0.1906

Complementary

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



18.0946, 0.4968, 0.4437



5.5788, 0.1650, 0.1139

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.



18.0946, 0.1901, 0.1718



18.0946, 0.4968, 0.4437



18.0946, 0.1345, 0.2296

Square

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



18.0946, 0.4968, 0.4437



18.0946, 0.2228, 0.4594



18.0946, 0.1455, 0.1821



18.0946, 0.3864, 0.2347

Rectangle

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



18.0946, 0.4968, 0.4437



18.0946, 0.3520, 0.5395



18.0946, 0.1455, 0.1821



18.0946, 0.2408, 0.1813

Sweetspot

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



18.0955, 0.4968, 0.4437



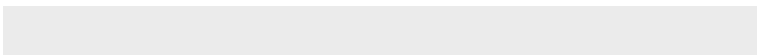
52.6706, 0.3649, 0.3791



8.0853, 0.5552, 0.2833



11.4923, 0.3728, 0.3858



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.



18.0955, 0.4968, 0.4437



32.0071, 0.4986, 0.4423



31.6497, 0.3933, 0.5259



7.8181, 0.3270, 0.3436



14.1454, 0.4959, 0.4444



0.3806, 0.4622, 0.4712

Inverse Universe

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



5.5788, 0.1650, 0.1139



9.6402, 0.1641, 0.1107



2.8466, 0.1567, 0.0637



7.2465, 0.2987, 0.3140



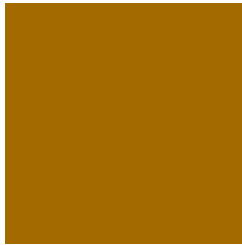
4.4101, 0.1654, 0.1155



0.1788, 0.1859, 0.1890

Previews

White Background



This preview shows how the Yxy color 18.0946, 0.4968, 0.4437 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 18.0946, 0.4968, 0.4437 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 18.0946, 0.4968, 0.4437

Background



This preview shows how black text looks on a background with the Yxy color 18.0946, 0.4968, 0.4437.



This preview shows how white text looks on a background with the Yxy color 18.0946, 0.4968, 0.4437.

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

18.0946, 0.4968, 0.4437

Protanopia

18.2861, 0.4368, 0.4844

Deuteranopia

18.0724, 0.4715, 0.4638



Tritanopia

18.1798, 0.4027, 0.3183

Trichromacy



Original Color

18.0946, 0.4968, 0.4437

Protanomaly

18.0697, 0.4599, 0.4687

Deuteranomaly

18.1204, 0.4809, 0.4564

Tritanomaly

18.0150, 0.4557, 0.3820

Monochromacy



Original Color

18.0946, 0.4968, 0.4437

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1380, 0.3934, 0.4015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0946, 0.4968, 0.4437 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, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 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, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.0946, 0.4968, 0.4437 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, 106, 0) }
```

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

```
.border{ border-color:rgb(163, 106, 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, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0946, 0.4968, 0.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 0) }
```

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

```
.background{ background-color: rgb(163,  
106, 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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