

Converting Colors

$Y_{xy}(18.4187, 0.4542, 0.4453)$

Have a look what the booklet for
Yxy(18.4187, 0.4542, 0.4453)
contains.

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Color

Yxy(18.4156, 0.4543, 0.4453)

Conversions

Conversions Part 1

Format	Color
Hex	967123
RGB	150, 113, 35
RGB Percent	59%, 44%, 14%
CMY	0.4117, 0.5569, 0.8629
CMYK	0.00, 0.25, 0.77, 0.41
HSL	41°, 62%, 36%
HSV	41°, 77%, 59%
XYZ	18.7878, 18.4156, 4.1521
YIQ	115.1710, 47.0900, -16.4140

Conversions

Conversions Part 2

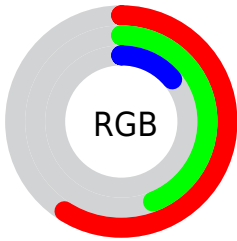
Format	Color
RYB	90, 150, 35
Decimal	9859363
CIELab	50.00, 6.79, 46.47
CIELCh	50, 46.963, 81.682
Yxy	18.4156, 0.4543, 0.4453
Android (android.graphics.Color)	4288049443 (0xFF967123)
YUV	115.1710, -39.5243, 30.5450
Hunter-Lab	42.9134, 3.0501, 24.3028

Details

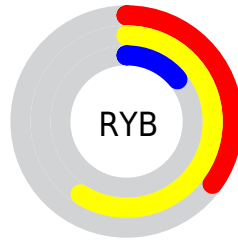
The Yxy color **18.4156, 0.4543, 0.4453** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1925, 0.1871, 0.1581**, and the grayscale version is **17.3105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8315, 0.4254, 0.4254**, and **6.2135, 0.4834, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **17.2972, 0.4706, 0.4501**, and if you desaturate by 10%, it is **19.6312, 0.4357, 0.4361**.

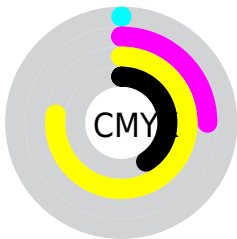
Distribution



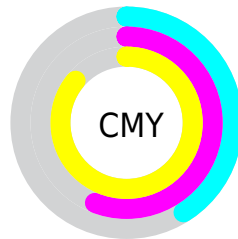
- Red (59%)
- Green (44%)
- Blue (14%)



- Red (35%)
- Yellow (59%)
- Blue (14%)



- Cyan (0%)
- Magenta (25%)
- Yellow (77%)
- Black (41%)





- Cyan (41%)
- Magenta (56%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4156, 0.4543, 0.4453 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 18.4156, 0.4543, 0.4453 by changing the saturation by 10% instead.


 18.4156, 0.4543,
0.4453


 18.4156, 0.4543,
0.4453


243.2033, 0.3773,
0.3852


 11.2488, 0.4728,
0.4577


 40.7442, 0.4260,
0.4244


 6.2344, 0.4983,
0.4738


 56.6748, 0.4153,
0.4161

 2.9881, 0.5194,
0.4806


 76.2955, 0.4063,
0.4090

 1.1255, 0.5314,
0.4686

 99.9906, 0.3987,
0.4029

 0.0000, 1.0000,
0.0000

 128.1445, 0.3922,
0.3975

 0.0000, 0.0000,
0.0000

 161.1417, 0.3866,

0.3929

199.3664, 0.3817,
0.3888

18.4156, 0.4543,
0.4453

18.4156, 0.4543,
0.4453

17.2972, 0.4706,
0.4501

19.6312, 0.4357,
0.4361

16.2655, 0.4843,
0.4503

20.9465, 0.4158,
0.4234

15.9383, 0.4888,
0.4501

22.3670, 0.3956,
0.4081

23.8968, 0.3757,
0.3914

25.5398, 0.3567,
0.3740

■ 27.2995, 0.3390,
0.3566

■ 29.1793, 0.3227,
0.3398

■ 31.1825, 0.3080,
0.3238

■ 33.3119, 0.2947,
0.3088

Harmonies

Analogous

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



18.4156, 0.4879, 0.3832



18.4156, 0.4543, 0.4453



18.4156, 0.3854, 0.4897

Triad

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



18.4156, 0.4543, 0.4453



18.4156, 0.1778, 0.3083



18.4156, 0.3026, 0.2209

Complementary

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



18.4156, 0.4543, 0.4453



7.1925, 0.1871, 0.1581

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.



18.4156, 0.2262, 0.1993



18.4156, 0.4543, 0.4453



18.4156, 0.1632, 0.2373

Square

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



18.4156, 0.4543, 0.4453



18.4156, 0.2261, 0.4062



18.4156, 0.1795, 0.2030



18.4156, 0.3946, 0.2637

Rectangle

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



18.4156, 0.4543, 0.4453



18.4156, 0.3302, 0.4924



18.4156, 0.1795, 0.2030



18.4156, 0.2742, 0.2111

Sweetspot

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



18.4165, 0.4543, 0.4453



46.0441, 0.3508, 0.3684



8.1711, 0.4839, 0.2747



9.9826, 0.3568, 0.3741



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



18.4165, 0.4543, 0.4453



29.2091, 0.4805, 0.4506



26.7510, 0.3879, 0.5051



6.4332, 0.3267, 0.3440



13.2758, 0.4881, 0.4506



0.2160, 0.4508, 0.4802

Inverse Universe

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



7.1925, 0.1871, 0.1581



8.7402, 0.1684, 0.1197



4.1912, 0.1858, 0.1020



5.9195, 0.2989, 0.3136



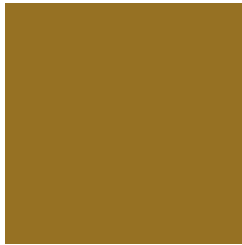
3.6505, 0.1636, 0.1091



0.0936, 0.1863, 0.1905

Previews

White Background



This preview shows how the Yxy color 18.4156, 0.4543, 0.4453 looks on a white background.

Color Contrast Check

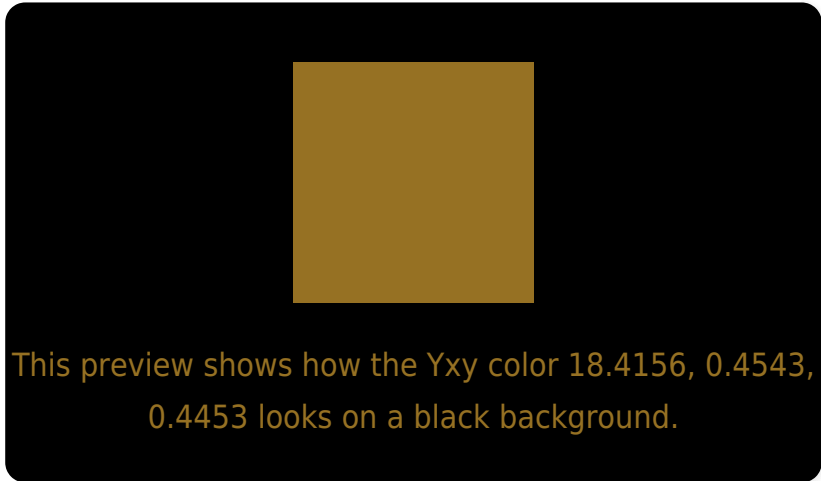
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4156, 0.4543, 0.4453

Background



This preview shows how black text looks on a background with the Yxy color 18.4156, 0.4543, 0.4453.



This preview shows how white text looks on a background with the Yxy color 18.4156, 0.4543, 0.4453.

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

18.4156, 0.4543, 0.4453

Protanopia

18.3956, 0.4236, 0.4648

Deuteranopia

18.4156, 0.4543, 0.4453



Tritanopia

18.4915, 0.3708, 0.3159

Trichromacy



Original Color

18.4156, 0.4543, 0.4453

Protanomaly

18.4254, 0.4349, 0.4581

Deuteranomaly

18.4156, 0.4543, 0.4453

Tritanomaly

18.3655, 0.4075, 0.3697

Monochromacy



Original Color

18.4156, 0.4543, 0.4453

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.2957, 0.3675, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4156, 0.4543, 0.4453 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 $rgb(150, 113, 35)$ looks like.

```
.text, #text, p{  
    color:rgb(150, 113, 35)  
}
```

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(150, 113, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 113, 35) }
```

Border

The CSS property to change the border of an element to Yxy 18.4156, 0.4543, 0.4453 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(150, 113, 35) }
```

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

```
.border{ border-color:rgb(150, 113, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 113, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 113, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 113, 35);  
box-shadow:4px 4px 4px 4px rgb(150, 113,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4156, 0.4543, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 113, 35) }
```

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

```
.background{ background-color: rgb(150,  
113, 35) }
```

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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