

Converting Colors

$Y_{xy}(18.3613, 0.4158, 0.5012)$

Have a look what the booklet for
Yxy(18.3613, 0.4158, 0.5012)
contains.

Yxy(18.3254, 0.4153, 0.5019)	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(18.3254, 0.4153, 0.5019)

Conversions

Conversions Part 1

Format	Color
Hex	7A7B0A
RGB	122, 123, 10
RGB Percent	48%, 48%, 4%
CMY	0.5216, 0.5176, 0.9610
CMYK	0.01, 0.00, 0.92, 0.52
HSL	61°, 85%, 26%
HSV	61°, 92%, 48%
XYZ	15.1635, 18.3254, 3.0232
YIQ	109.8190, 35.6770, -35.3550

Conversions

Conversions Part 2

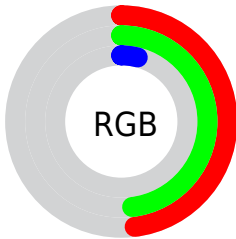
Format	Color
R_{YB}	10, 123, 11
Decimal	8026890
CIE _{Lab}	49.89, -12.82, 53.04
CIE _{LCh}	50, 54.567, 103.591
Yxy	18.3254, 0.4153, 0.5019
Android (android.graphics.Color)	4286216970 (0xFF7A7B0A)
YUV	109.8190, -49.2108, 10.6827
Hunter-Lab	42.8082, -11.6863, 25.7785

Details

The Yxy color **18.3254, 0.4153, 0.5019** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7168, 0.1565, 0.0703**, and the grayscale version is **15.6730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5546, 0.3998, 0.4664**, and **6.3342, 0.4088, 0.5136** is the 20% darker color. If you saturate the color by 10%, you get **18.2980, 0.4178, 0.5064**, and if you desaturate by 10%, it is **18.3713, 0.4110, 0.4944**.

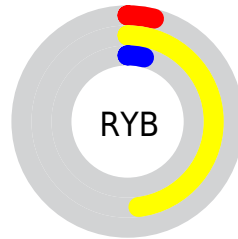
Distribution



Red (48%)

Green (48%)

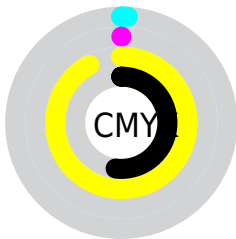
Blue (4%)



Red (4%)

Yellow (48%)

Blue (4%)

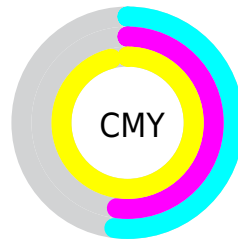


Cyan (1%)

Magenta (0%)

Yellow (92%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3254, 0.4153, 0.5019 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 18.3254, 0.4153, 0.5019 by changing the saturation by 10% instead.


 18.3254, 0.4153,
0.5019


 18.3254, 0.4153,
0.5019


 242.6988, 0.3646,
0.4065


 11.1839, 0.4233,
0.5248


 40.5910, 0.3990,
0.4666


 6.1906, 0.4374,
0.5626

 56.4839, 0.3920,
0.4533

 2.9613, 0.4230,
0.5770

 76.0627, 0.3859,
0.4422

 1.1116, 0.3956,
0.6044

 99.7117, 0.3805,
0.4328

 0.0000, 0.0000,
0.0000

 127.8155, 0.3757,
0.4247


 160.7583, 0.3716,


0.4178


 198.9246, 0.3679,
0.4118


 18.3254, 0.4153,
0.5019


 18.3254, 0.4153,
0.5019


 18.2980, 0.4178,
0.5064

 18.3713, 0.4110,
0.4944

 18.4391, 0.4044,
0.4830

 18.5324, 0.3954,
0.4677

 18.6537, 0.3844,
0.4491

 18.8051, 0.3718,
0.4279

■ 18.9886, 0.3581,
0.4049

■ 19.2059, 0.3438,
0.3810

■ 19.4587, 0.3295,
0.3570

■ 19.7484, 0.3154,
0.3334

Harmonies

Analogous

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



18.3254, 0.4875, 0.4377



18.3254, 0.4153, 0.5019



18.3254, 0.3228, 0.5202

Triad

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



18.3254, 0.4153, 0.5019



18.3254, 0.1452, 0.2395



18.3254, 0.3783, 0.2396

Complementary

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



18.3254, 0.4153, 0.5019



1.7168, 0.1565, 0.0703

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.



18.3254, 0.2735, 0.1981



18.3254, 0.4153, 0.5019



18.3254, 0.1547, 0.1924

Square

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



18.3254, 0.4153, 0.5019



18.3254, 0.1697, 0.3320



18.3254, 0.1965, 0.1811



18.3254, 0.4744, 0.2986

Rectangle

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



18.3254, 0.4153, 0.5019



18.3254, 0.2607, 0.4834



18.3254, 0.1965, 0.1811



18.3254, 0.3419, 0.2234

Sweetspot

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



18.3263, 0.4153, 0.5019



34.1202, 0.3535, 0.3972



4.4489, 0.6178, 0.3299



8.0044, 0.3586, 0.4059



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.3263, 0.4153, 0.5019



32.7612, 0.4178, 0.5065



15.3635, 0.3420, 0.5580



4.6322, 0.3254, 0.3502



18.9277, 0.4178, 0.5064



90.2659, 0.4178, 0.5065

Inverse Universe

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



1.7168, 0.1565, 0.0703



2.5701, 0.1503, 0.0602



2.8207, 0.2148, 0.1016



3.8951, 0.2995, 0.3069



1.4866, 0.1504, 0.0602



7.0713, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 18.3254, 0.4153, 0.5019 looks on a white background.

Color Contrast Check

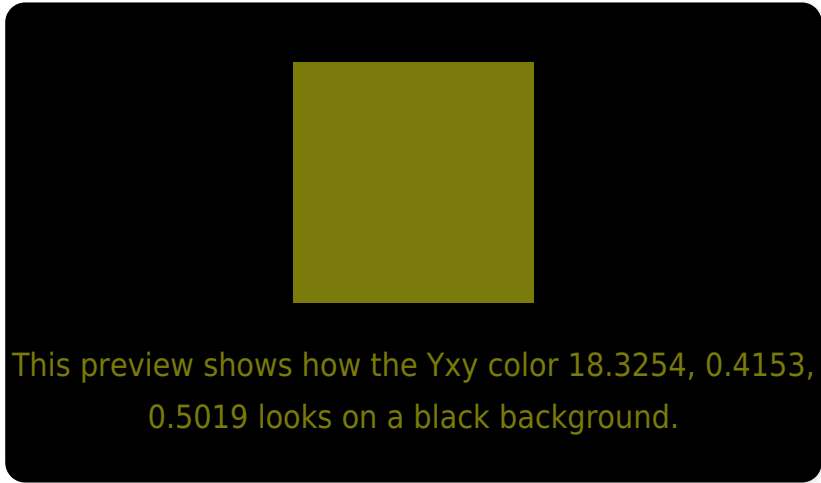
Large Text (above 18pt) WCAG AA ✓ Pass

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

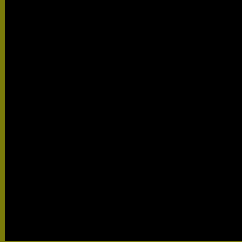
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3254, 0.4153, 0.5019

Background



This preview shows how black text looks on a background with the Yxy color 18.3254, 0.4153, 0.5019.



This preview shows how white text looks on a background with the Yxy color 18.3254, 0.4153, 0.5019.

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

18.3254, 0.4153, 0.5019

Protanopia

18.2795, 0.4376, 0.4856

Deuteranopia

18.3484, 0.4627, 0.4560



Tritanopia

18.2105, 0.3226, 0.3125

Trichromacy



Original Color

18.3254, 0.4153, 0.5019

Protanomaly

18.1985, 0.4305, 0.4905

Deuteranomaly

18.3385, 0.4456, 0.4729

Tritanomaly

17.8438, 0.3695, 0.3963

Monochromacy



Original Color

18.3254, 0.4153, 0.5019

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3333, 0.3620, 0.4133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3254, 0.4153, 0.5019 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(122, 123, 10)` looks like.

```
.text, #text, p{  
    color:rgb(122, 123, 10)  
}
```

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(122, 123, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 123, 10) }
```

Border

The CSS property to change the border of an element to Yxy 18.3254, 0.4153, 0.5019 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(122, 123, 10) }
```

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

```
.border{ border-color:rgb(122, 123, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 123, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 123, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 123, 10);  
box-shadow:4px 4px 4px 4px rgb(122, 123,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3254, 0.4153, 0.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 123, 10) }
```

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

```
.background{ background-color: rgb(122,  
123, 10) }
```

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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