

Converting Colors

$Y_{xy}(19.8260, 0.4156, 0.5012)$

Have a look what the booklet for
Yxy(19.8260, 0.4156, 0.5012)
contains.

Yxy(19.7149, 0.4166, 0.5007)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7149, 0.4166, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	7F7F0B
RGB	127, 127, 11
RGB Percent	50%, 50%, 4%
CMY	0.5019, 0.5020, 0.9570
CMYK	0.00, 0.00, 0.91, 0.50
HSL	60°, 84%, 27%
HSV	60°, 91%, 50%
XYZ	16.4035, 19.7149, 3.2563
YIQ	113.7760, 37.2360, -36.0760

Conversions

Conversions Part 2

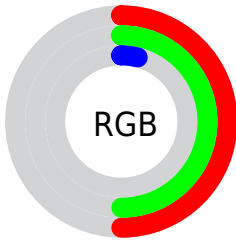
Format	Color
R _Y B	11, 127, 11
Decimal	8355595
CIE Lab	51.51, -12.63, 54.32
CIE LCh	52, 55.771, 103.086
Yxy	19.7149, 0.4166, 0.5007
Android (android.graphics.Color)	4286545675 (0xFF7F7F0B)
YUV	113.7760, -50.6686, 11.5974
Hunter-Lab	44.4015, -11.7583, 26.7329

Details

The Yxy color **19.7149, 0.4166, 0.5007** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **1.8426, 0.1563, 0.0704**, and the grayscale version is **16.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7624, 0.4006, 0.4657**, and **6.9046, 0.4112, 0.5117** is the 20% darker color. If you saturate the color by 10%, you get **19.6914, 0.4193, 0.5052**, and if you desaturate by 10%, it is **19.7567, 0.4121, 0.4933**.

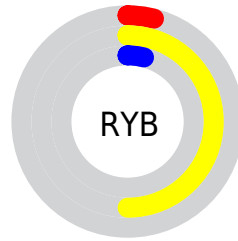
Distribution



Red (50%)

Green (50%)

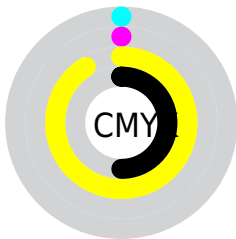
Blue (4%)



Red (4%)

Yellow (50%)

Blue (4%)

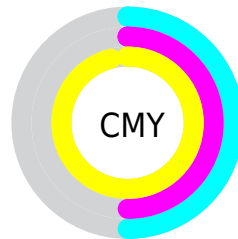


Cyan (0%)

Magenta (0%)

Yellow (91%)

Black (50%)



Cyan (50%)


Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7149, 0.4166, 0.5007 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 19.7149, 0.4166, 0.5007 by changing the saturation by 10% instead.


 19.7149, 0.4166,
0.5007


 19.7149, 0.4166,
0.5007


250.3675, 0.3658,
0.4072


 12.1880, 0.4247,
0.5227


 42.9387, 0.4003,
0.4665


 6.8718, 0.4398,
0.5601


 59.4043, 0.3933,
0.4535


 3.3821, 0.4268,
0.5732

 79.6183, 0.3872,
0.4426

 1.3343, 0.4041,
0.5959

 103.9651, 0.3818,
0.4333

 0.1675, 0.0000,
1.0000

 132.8290, 0.3770,
0.4253


 0.0000, 0.0000,
0.0000

 166.5944, 0.3728,

0.4184

 205.6458, 0.3691,
0.4125


 19.7149, 0.4166,
0.5007


 19.7149, 0.4166,
0.5007


 19.6914, 0.4193,
0.5052

 19.7567, 0.4121,
0.4933

 19.8222, 0.4052,
0.4819

 19.9152, 0.3959,
0.4666

 20.0386, 0.3847,
0.4480

 20.1945, 0.3718,
0.4267

■ 20.3850, 0.3579,
0.4037

■ 20.6122, 0.3434,
0.3798

■ 20.8776, 0.3289,
0.3557

■ 21.1830, 0.3146,
0.3321

Harmonies

Analogous

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



19.7149, 0.4881, 0.4364



19.7149, 0.4166, 0.5007



19.7149, 0.3244, 0.5200

Triad

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



19.7149, 0.4166, 0.5007



19.7149, 0.1457, 0.2409



19.7149, 0.3763, 0.2389

Complementary

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



19.7149, 0.4166, 0.5007



1.8426, 0.1563, 0.0704

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.



19.7149, 0.2721, 0.1979



19.7149, 0.4166, 0.5007



19.7149, 0.1545, 0.1931

Square

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



19.7149, 0.4166, 0.5007



19.7149, 0.1708, 0.3340



19.7149, 0.1958, 0.1813



19.7149, 0.4727, 0.2976

Rectangle

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



19.7149, 0.4166, 0.5007



19.7149, 0.2624, 0.4843



19.7149, 0.1958, 0.1813



19.7149, 0.3400, 0.2228

Sweetspot

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



19.7158, 0.4166, 0.5007



36.6402, 0.3526, 0.3949



4.7805, 0.6146, 0.3284



8.5529, 0.3566, 0.4016



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.7158, 0.4166, 0.5007



35.2547, 0.4193, 0.5052



16.5430, 0.3443, 0.5559



5.0194, 0.3256, 0.3503



19.8549, 0.4193, 0.5052



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.8426, 0.1563, 0.0704



2.7444, 0.1500, 0.0600



2.9667, 0.2121, 0.1004



4.2118, 0.2993, 0.3068



1.5457, 0.1500, 0.0600



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.7149, 0.4166, 0.5007 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 19.7149, 0.4166, 0.5007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

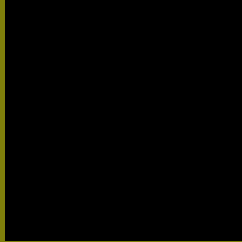
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7149, 0.4166, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 19.7149, 0.4166, 0.5007.



This preview shows how white text looks on a background with the Yxy color 19.7149, 0.4166, 0.5007.

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

19.7149, 0.4166, 0.5007

Protanopia

19.6746, 0.4382, 0.4849

Deuteranopia

19.5173, 0.4640, 0.4549



Tritanopia

19.6401, 0.3236, 0.3130

Trichromacy



Original Color

19.7149, 0.4166, 0.5007

Protanomaly

19.5881, 0.4313, 0.4897

Deuteranomaly

19.4964, 0.4474, 0.4714

Tritanomaly

19.2362, 0.3703, 0.3959

Monochromacy



Original Color

19.7149, 0.4166, 0.5007

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.6514, 0.3631, 0.4124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7149, 0.4166, 0.5007 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(127, 127, 11)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 11)  
}
```

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(127, 127, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 11) }
```

Border

The CSS property to change the border of an element to Yxy 19.7149, 0.4166, 0.5007 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(127, 127, 11) }
```

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

```
.border{ border-color:rgb(127, 127, 11) }
```

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

Here you see how a box with a 4 pixel rgb(127, 127, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 11);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7149, 0.4166, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 11) }
```

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

```
.background{ background-color: rgb(127,  
127, 11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor