

Converting Colors

$Yxy(19.0924, 0.4062, 0.5024)$

Have a look what the booklet for
Yxy(19.0924, 0.4062, 0.5024)
contains.

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Color

Yxy(18.9618, 0.4059, 0.5022)

Conversions

Conversions Part 1

Format	Color
Hex	787E13
RGB	120, 126, 19
RGB Percent	47%, 49%, 7%
CMY	0.5294, 0.5059, 0.9253
CMYK	0.05, 0.00, 0.85, 0.51
HSL	63°, 74%, 28%
HSV	63°, 85%, 49%
XYZ	15.3258, 18.9618, 3.4699
YIQ	112.0080, 30.7710, -34.5490

Conversions

Conversions Part 2

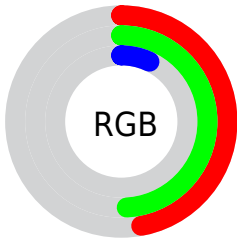
Format	Color
RYB	19, 126, 25
Decimal	7896595
CIELab	50.64, -15.11, 51.49
CIELCh	51, 53.663, 106.353
Yxy	18.9618, 0.4059, 0.5022
Android (android.graphics.Color)	4286086675 (0xFF787E13)
YUV	112.0080, -45.8529, 7.0090
Hunter-Lab	43.5451, -13.3808, 25.7571

Details

The Yxy color **18.9618, 0.4059, 0.5022** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1805, 0.1660, 0.0823**, and the grayscale version is **16.3384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4492, 0.3917, 0.4661**, and **6.5367, 0.4008, 0.5200** is the 20% darker color. If you saturate the color by 10%, you get **18.8794, 0.4087, 0.5095**, and if you desaturate by 10%, it is **19.0685, 0.4008, 0.4910**.

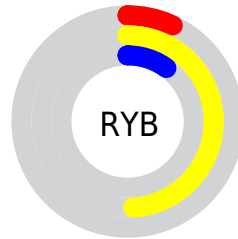
Distribution



Red (47%)

Green (49%)

Blue (7%)



Red (7%)

Yellow (49%)

Blue (10%)

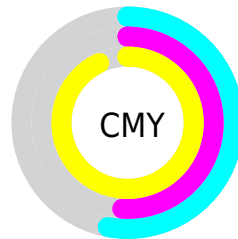


Cyan (5%)

Magenta (0%)

Yellow (85%)

Black (51%)



Cyan (53%)


Magenta (51%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9618, 0.4059, 0.5022 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 18.9618, 0.4059, 0.5022 by changing the saturation by 10% instead.

 18.9618, 0.4059,
0.5022


 18.9618, 0.4059,
0.5022


246.2378, 0.3602,
0.4056


 11.6427, 0.4131,
0.5264


 41.6695, 0.3913,
0.4660


 6.5009, 0.4257,
0.5662


 57.8269, 0.3850,
0.4525


 3.1520, 0.4128,
0.5872

 77.6992, 0.3794,
0.4413

 1.2116, 0.3827,
0.6173

 101.6708, 0.3745,
0.4318

 0.0711, 0.0000,
1.0000

 130.1261, 0.3703,
0.4238

 0.0000, 0.0000,
0.0000

 163.4494, 0.3665,

0.4169

202.0252, 0.3632,
0.4109

18.9618, 0.4059,
0.5022

18.9618, 0.4059,
0.5022

18.8794, 0.4087,
0.5095

19.0685, 0.4008,
0.4910

18.8397, 0.4099,
0.5127

19.2008, 0.3933,
0.4760

19.3623, 0.3836,
0.4574

19.5554, 0.3722,
0.4361

19.7821, 0.3596,
0.4129

■ 20.0445, 0.3463,
0.3887

■ 20.3443, 0.3327,
0.3643

■ 20.6831, 0.3192,
0.3404

■ 21.0626, 0.3061,
0.3174

Harmonies

Analogous

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



18.9618, 0.4788, 0.4426



18.9618, 0.4059, 0.5022



18.9618, 0.3147, 0.5119

Triad

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



18.9618, 0.4059, 0.5022



18.9618, 0.1483, 0.2361



18.9618, 0.3864, 0.2464

Complementary

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



18.9618, 0.4059, 0.5022



2.1805, 0.1660, 0.0823

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.



18.9618, 0.2833, 0.2037



18.9618, 0.4059, 0.5022



18.9618, 0.1604, 0.1932

Square

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



18.9618, 0.4059, 0.5022



18.9618, 0.1694, 0.3223



18.9618, 0.2047, 0.1847



18.9618, 0.4764, 0.3056

Rectangle

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



18.9618, 0.4059, 0.5022



18.9618, 0.2546, 0.4704



18.9618, 0.2047, 0.1847



18.9618, 0.3510, 0.2299

Sweetspot

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



18.9627, 0.4059, 0.5022



35.2489, 0.3472, 0.3904



5.1521, 0.5902, 0.3358



7.9865, 0.3511, 0.3974



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.



18.9627, 0.4059, 0.5022



33.1420, 0.4097, 0.5129



16.1681, 0.3382, 0.5520



5.0076, 0.3248, 0.3504



19.3274, 0.4099, 0.5127



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.1805, 0.1660, 0.0823



2.7105, 0.1520, 0.0611



3.5876, 0.2317, 0.1166



4.2223, 0.3001, 0.3068



1.5914, 0.1527, 0.0615



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9618, 0.4059, 0.5022 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 18.9618, 0.4059, 0.5022 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 18.9618, 0.4059, 0.5022

Background



This preview shows how black text looks on a background with the Yxy color 18.9618, 0.4059, 0.5022.



This preview shows how white text looks on a background with the Yxy color 18.9618, 0.4059, 0.5022.

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

18.9618, 0.4059, 0.5022

Protanopia

18.9495, 0.4346, 0.4818

Deuteranopia

18.7892, 0.4606, 0.4516



Tritanopia

18.8961, 0.3173, 0.3126

Trichromacy



Original Color

18.9618, 0.4059, 0.5022

Protanomaly

18.9554, 0.4235, 0.4895

Deuteranomaly

18.5983, 0.4410, 0.4698

Tritanomaly

18.5567, 0.3603, 0.3923

Monochromacy



Original Color

18.9618, 0.4059, 0.5022

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9175, 0.3575, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9618, 0.4059, 0.5022 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(120, 126, 19)` looks like.

```
.text, #text, p{  
    color:rgb(120, 126, 19)  
}
```

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(120, 126, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 126, 19) }
```

Border

The CSS property to change the border of an element to Yxy 18.9618, 0.4059, 0.5022 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(120, 126, 19) }
```

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

```
.border{ border-color:rgb(120, 126, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 126, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 126, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 126, 19);  
box-shadow:4px 4px 4px 4px rgb(120, 126,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9618, 0.4059, 0.5022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 126, 19) }
```

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

```
.background{ background-color: rgb(120,  
126, 19) }
```

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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