

Converting Colors

$Y_{xy}(18.7186, 0.3964, 0.4989)$

Have a look what the booklet for
Yxy(18.7186, 0.3964, 0.4989)
contains.

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Color

Yxy(18.7186, 0.3964, 0.4989)

Conversions

Conversions Part 1

Format	Color
Hex	747E1C
RGB	116, 126, 28
RGB Percent	45%, 49%, 11%
CMY	0.5451, 0.5059, 0.8901
CMYK	0.08, 0.00, 0.78, 0.51
HSL	66°, 64%, 30%
HSV	66°, 78%, 49%
XYZ	14.8728, 18.7186, 3.9283
YIQ	111.8380, 25.4980, -32.5980

Conversions

Conversions Part 2

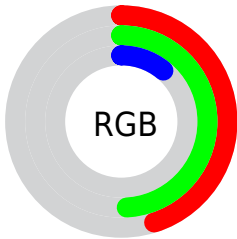
Format	Color
R_{YB}	28, 126, 38
Decimal	7634460
CIE _{Lab}	50.36, -16.58, 48.32
CIE _{LCh}	50, 51.087, 108.941
Yxy	18.7186, 0.3964, 0.4989
Android (android.graphics.Color)	4285824540 (0xFF747E1C)
YUV	111.8380, -41.3321, 3.6501
Hunter-Lab	43.2650, -14.3524, 24.9022

Details

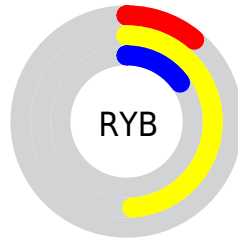
The Yxy color **18.7186, 0.3964, 0.4989** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.7500, 0.1796, 0.0991**, and the grayscale version is **16.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4773, 0.3834, 0.4628**, and **6.4316, 0.3945, 0.5249** is the 20% darker color. If you saturate the color by 10%, you get **18.5837, 0.4001, 0.5098**, and if you desaturate by 10%, it is **18.8818, 0.3903, 0.4840**.

Distribution



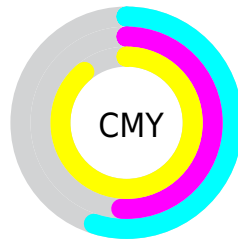
- Red (45%)
- Green (49%)
- Blue (11%)



- Red (11%)
- Yellow (49%)
- Blue (15%)



- Cyan (8%)
- Magenta (0%)
- Yellow (78%)
- Black (51%)




- Cyan (55%)
- Magenta (51%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7186, 0.3964, 0.4989 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 18.7186, 0.3964, 0.4989 by changing the saturation by 10% instead.


 18.7186, 0.3964,
0.4989


 18.7186, 0.3964,
0.4989


 244.8908, 0.3551,
0.4026


 11.4671, 0.4031,
0.5244


 41.2581, 0.3830,
0.4620

 6.3820, 0.4125,
0.5628


 57.3148, 0.3773,
0.4486


 3.0787, 0.4046,
0.5954

 77.0755, 0.3723,
0.4374

 1.1730, 0.3687,
0.6313

 100.9244, 0.3679,
0.4282

 0.0394, 0.0000,
1.0000

 129.2460, 0.3641,
0.4203


 0.0000, 0.0000,
0.0000


 162.4247, 0.3607,

0.4135


 200.8448, 0.3577,
0.4077

 18.7186, 0.3964,
0.4989


 18.7186, 0.3964,
0.4989


 18.5837, 0.4001,
0.5098


 18.8818, 0.3903,
0.4840


 18.4678, 0.4017,
0.5173

 19.0734, 0.3821,
0.4654

 18.4425, 0.4021,
0.5189

 19.2968, 0.3720,
0.4440

 19.5541, 0.3605,
0.4206

 19.8474, 0.3481,
0.3962

■ 20.1785, 0.3353,
0.3715

■ 20.5490, 0.3225,
0.3472

■ 20.9606, 0.3100,
0.3239

■ 21.4147, 0.2980,
0.3019

Harmonies

Analogous

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



18.7186, 0.4685, 0.4455



18.7186, 0.3964, 0.4989



18.7186, 0.3079, 0.5000

Triad

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



18.7186, 0.3964, 0.4989



18.7186, 0.1536, 0.2351



18.7186, 0.3920, 0.2540

Complementary

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



18.7186, 0.3964, 0.4989



2.7500, 0.1796, 0.0991

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.



18.7186, 0.2927, 0.2108



18.7186, 0.3964, 0.4989



18.7186, 0.1680, 0.1963

Square

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



18.7186, 0.3964, 0.4989



18.7186, 0.1716, 0.3145



18.7186, 0.2140, 0.1902



18.7186, 0.4746, 0.3126

Rectangle

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



18.7186, 0.3964, 0.4989



18.7186, 0.2506, 0.4557



18.7186, 0.2140, 0.1902



18.7186, 0.3584, 0.2375

Sweetspot

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



18.7195, 0.3964, 0.4989



35.1717, 0.3427, 0.3857



5.8940, 0.5546, 0.3440



7.9614, 0.3465, 0.3932



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.



18.7195, 0.3964, 0.4989



32.5587, 0.4012, 0.5152



16.2073, 0.3344, 0.5419



4.9978, 0.3242, 0.3504



18.9179, 0.4021, 0.5190



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.7500, 0.1796, 0.0991



3.1327, 0.1590, 0.0691



4.3545, 0.2483, 0.1336



4.2311, 0.3007, 0.3068



1.6311, 0.1549, 0.0627



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.7186, 0.3964, 0.4989 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 18.7186, 0.3964, 0.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

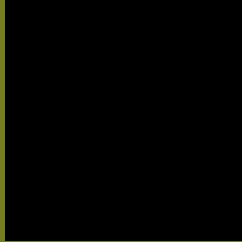
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7186, 0.3964, 0.4989

Background



This preview shows how black text looks on a background with the Yxy color 18.7186, 0.3964, 0.4989.



This preview shows how white text looks on a background with the Yxy color 18.7186, 0.3964, 0.4989.

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

18.7186, 0.3964, 0.4989

Protanopia

18.6584, 0.4305, 0.4755

Deuteranopia

18.6342, 0.4536, 0.4476



Tritanopia

18.6149, 0.3111, 0.3105

Trichromacy



Original Color

18.7186, 0.3964, 0.4989

Protanomaly

18.5874, 0.4179, 0.4837

Deuteranomaly

18.4644, 0.4337, 0.4650

Tritanomaly

18.3258, 0.3500, 0.3857

Monochromacy



Original Color

18.7186, 0.3964, 0.4989

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8274, 0.3511, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7186, 0.3964, 0.4989 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(116, 126, 28)` looks like.

```
.text, #text, p{  
    color:rgb(116, 126, 28)  
}
```

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(116, 126, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 126, 28) }
```

Border

The CSS property to change the border of an element to Yxy 18.7186, 0.3964, 0.4989 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(116, 126, 28) }
```

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

```
.border{ border-color:rgb(116, 126, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 126, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 126, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 126, 28);  
box-shadow:4px 4px 4px 4px rgb(116, 126,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7186, 0.3964, 0.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 126, 28) }
```

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

```
.background{ background-color: rgb(116,  
126, 28) }
```

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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