

Converting Colors

$Y_{xy}(18.2430, 0.4166, 0.4758)$

Have a look what the booklet for
Yxy(18.2430, 0.4166, 0.4758)
contains.

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Color

Yxy(18.1319, 0.4169, 0.4756)

Conversions

Conversions Part 1

Format	Color
Hex	807821
RGB	128, 120, 33
RGB Percent	50%, 47%, 13%
CMY	0.4980, 0.5294, 0.8707
CMYK	0.00, 0.06, 0.74, 0.50
HSL	55°, 59%, 32%
HSV	55°, 74%, 50%
XYZ	15.8940, 18.1319, 4.0984
YIQ	112.4740, 32.6950, -25.3610

Conversions

Conversions Part 2

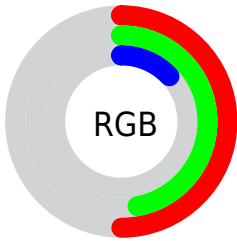
Format	Color
R_{YB}	42, 128, 33
Decimal	8419361
CIE _{Lab}	49.66, -7.53, 46.17
CIE _{LCh}	50, 46.783, 99.265
Yxy	18.1319, 0.4169, 0.4756
Android (android.graphics.Color)	4286609441 (0xFF807821)
YUV	112.4740, -39.1807, 13.6163
Hunter-Lab	42.5816, -7.8908, 24.1006

Details

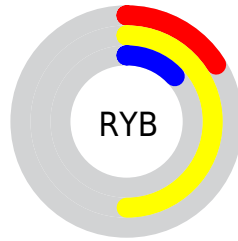
The Yxy color **18.1319, 0.4169, 0.4756** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4661, 0.1796, 0.1171**, and the grayscale version is **16.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2124, 0.3971, 0.4451**, and **6.1712, 0.4279, 0.4984** is the 20% darker color. If you saturate the color by 10%, you get **17.8161, 0.4254, 0.4852**, and if you desaturate by 10%, it is **18.4796, 0.4061, 0.4621**.

Distribution



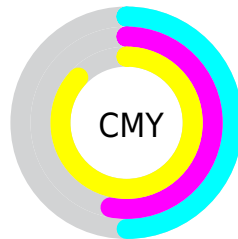
- Red (50%)
- Green (47%)
- Blue (13%)



- Red (16%)
- Yellow (50%)
- Blue (13%)



- Cyan (0%)
- Magenta (6%)
- Yellow (74%)
- Black (50%)





- Cyan (50%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1319, 0.4169, 0.4756 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 18.1319, 0.4169, 0.4756 by changing the saturation by 10% instead.


 18.1319, 0.4169,
0.4756


 18.1319, 0.4169,
0.4756


241.6135, 0.3622,
0.3942


 11.0447, 0.4285,
0.4961


 40.2620, 0.3976,
0.4450


 6.0969, 0.4444,
0.5257

 56.0736, 0.3900,
0.4337


 2.9041, 0.4498,
0.5502

 75.5622, 0.3836,
0.4243

 1.0819, 0.4348,
0.5652

 99.1122, 0.3780,
0.4163

 0.0000, 0.0000,
0.0000

 127.1079, 0.3732,
0.4095

 159.9338, 0.3691,

0.4037

197.9741, 0.3654,
0.3986

18.1319, 0.4169,
0.4756

18.1319, 0.4169,
0.4756

17.8161, 0.4254,
0.4852

18.4796, 0.4061,
0.4621

17.5260, 0.4313,
0.4908

18.8594, 0.3933,
0.4452

17.3644, 0.4344,
0.4933

19.2747, 0.3791,
0.4257

19.7277, 0.3640,
0.4044

20.2202, 0.3487,
0.3823

■ 20.7543, 0.3335,
0.3599

■ 21.3317, 0.3187,
0.3380

■ 21.9539, 0.3048,
0.3170

■ 22.6225, 0.2918,
0.2972

Harmonies

Analogous

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



18.1319, 0.4739, 0.4204



18.1319, 0.4169, 0.4756



18.1319, 0.3370, 0.4939

Triad

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



18.1319, 0.4169, 0.4756



18.1319, 0.1651, 0.2620



18.1319, 0.3566, 0.2437

Complementary

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



18.1319, 0.4169, 0.4756



3.4661, 0.1796, 0.1171

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.



18.1319, 0.2677, 0.2090



18.1319, 0.4169, 0.4756



18.1319, 0.1689, 0.2130

Square

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



18.1319, 0.4169, 0.4756



18.1319, 0.1935, 0.3475



18.1319, 0.2030, 0.1974



18.1319, 0.4423, 0.2957

Rectangle

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



18.1319, 0.4169, 0.4756



18.1319, 0.2812, 0.4685



18.1319, 0.2030, 0.1974



18.1319, 0.3255, 0.2298

Sweetspot

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



18.1328, 0.4169, 0.4756



35.7522, 0.3460, 0.3784



5.8466, 0.5319, 0.3150



8.3233, 0.3494, 0.3833



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.



18.1328, 0.4169, 0.4756



31.0104, 0.4297, 0.4893



17.7244, 0.3576, 0.5190



4.9594, 0.3258, 0.3486



17.2156, 0.4344, 0.4933



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.4661, 0.1796, 0.1171



3.8375, 0.1591, 0.0804



3.9838, 0.2210, 0.1251



4.2655, 0.2993, 0.3087



1.7790, 0.1523, 0.0680



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1319, 0.4169, 0.4756 looks on a white background.

Color Contrast Check

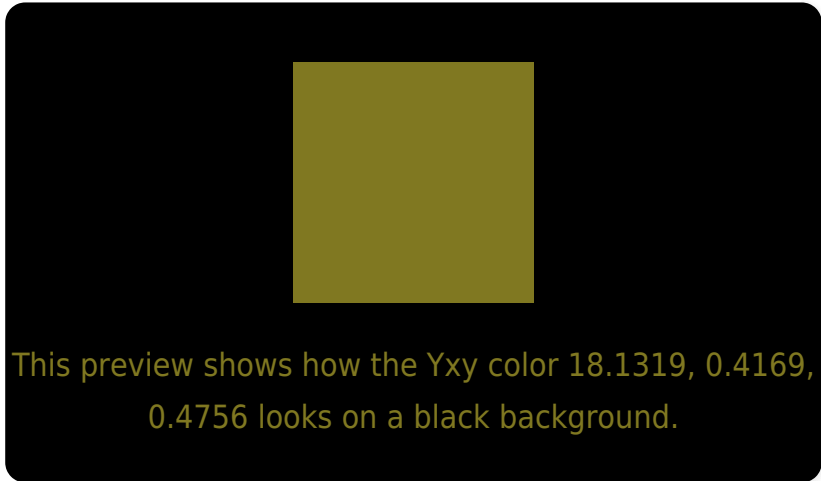
Large Text (above 18pt) WCAG AA ✓ Pass

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

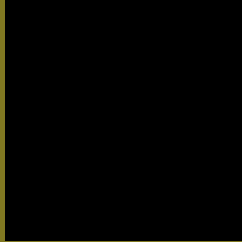
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1319, 0.4169, 0.4756

Background



This preview shows how black text looks on a background with the Yxy color 18.1319, 0.4169, 0.4756.



This preview shows how white text looks on a background with the Yxy color 18.1319, 0.4169, 0.4756.

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

18.1319, 0.4169, 0.4756

Protanopia

18.0532, 0.4262, 0.4685

Deuteranopia

18.0116, 0.4523, 0.4445



Tritanopia

18.1197, 0.3321, 0.3128

Trichromacy



Original Color

18.1319, 0.4169, 0.4756

Protanomaly

18.1288, 0.4222, 0.4716

Deuteranomaly

18.0455, 0.4396, 0.4555

Tritanomaly

17.8883, 0.3687, 0.3780

Monochromacy



Original Color

18.1319, 0.4169, 0.4756

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7376, 0.3566, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1319, 0.4169, 0.4756 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(128, 120, 33)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 33)  
}
```

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(128, 120, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 33) }
```

Border

The CSS property to change the border of an element to Yxy 18.1319, 0.4169, 0.4756 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(128, 120, 33) }
```

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

```
.border{ border-color:rgb(128, 120, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1319, 0.4169, 0.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 33) }
```

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

```
.background{ background-color: rgb(128,  
120, 33) }
```

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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