

Converting Colors

$Y_{xy}(18.0200, 0.4132, 0.4593)$

Have a look what the booklet for
Yxy(18.0200, 0.4132, 0.4593)
contains.

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Color

Yxy(18.1213, 0.4126, 0.4599)

Conversions

Conversions Part 1

Format	Color
Hex	82772C
RGB	130, 119, 44
RGB Percent	51%, 47%, 17%
CMY	0.4902, 0.5333, 0.8274
CMYK	0.00, 0.08, 0.66, 0.49
HSL	52°, 49%, 34%
HSV	52°, 66%, 51%
XYZ	16.2576, 18.1213, 5.0238
YIQ	113.7390, 30.6310, -20.9930

Conversions

Conversions Part 2

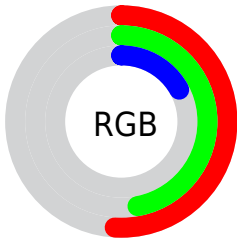
Format	Color
RYB	57, 130, 44
Decimal	8550188
CIELab	49.64, -5.39, 41.44
CIELCh	50, 41.793, 97.414
Yxy	18.1213, 0.4126, 0.4599
Android (android.graphics.Color)	4286740268 (0xFF82772C)
YUV	113.7390, -34.3813, 14.2609
Hunter-Lab	42.5691, -6.3251, 22.8012

Details

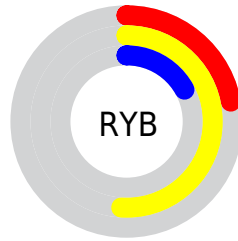
The Yxy color **18.1213, 0.4126, 0.4599** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8798, 0.1948, 0.1477**, and the grayscale version is **16.8435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2304, 0.3931, 0.4327**, and **6.1262, 0.4344, 0.4933** is the 20% darker color. If you saturate the color by 10%, you get **17.6469, 0.4243, 0.4722**, and if you desaturate by 10%, it is **18.6350, 0.3990, 0.4441**.

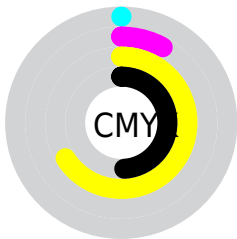
Distribution



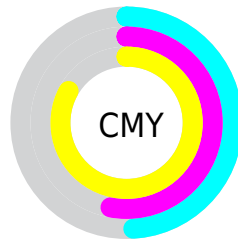
- Red (51%)
- Green (47%)
- Blue (17%)



- Red (22%)
- Yellow (51%)
- Blue (17%)



- Cyan (0%)
- Magenta (8%)
- Yellow (66%)
- Black (49%)





- Cyan (49%)
- Magenta (53%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1213, 0.4126, 0.4599 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 18.1213, 0.4126, 0.4599 by changing the saturation by 10% instead.


 18.1213, 0.4126,
0.4599


 18.1213, 0.4126,
0.4599


 241.5539, 0.3588,
0.3867

 11.0371, 0.4253,
0.4791


 40.2439, 0.3929,
0.4320


 6.0918, 0.4404,
0.5037

 56.0511, 0.3854,
0.4218


 2.9010, 0.4606,
0.5394

 75.5348, 0.3791,
0.4134

 1.0803, 0.4500,
0.5500

 99.0793, 0.3738,
0.4063

 0.0000, 0.0000,
0.0000

 127.0691, 0.3692,
0.4003

 159.8885, 0.3652,

0.3951

197.9220, 0.3618,
0.3906

■ 18.1213, 0.4126,
0.4599

■ 18.1213, 0.4126,
0.4599

■ 17.6469, 0.4243,
0.4722

■ 18.6350, 0.3990,
0.4441

■ 17.2062, 0.4336,
0.4806

■ 19.1880, 0.3840,
0.4256

■ 16.7949, 0.4405,
0.4850

■ 19.7835, 0.3682,
0.4053

■ 16.6401, 0.4430,
0.4865

■ 20.4237, 0.3523,
0.3840

■ 21.1106, 0.3366,
0.3626

■ 21.8460, 0.3216,
0.3416

■ 22.6317, 0.3074,
0.3213

■ 23.4692, 0.2942,
0.3022

■ 24.3602, 0.2820,
0.2844

Harmonies

Analogous

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



18.1213, 0.4609, 0.4110



18.1213, 0.4126, 0.4599



18.1213, 0.3412, 0.4759

Triad

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



18.1213, 0.4126, 0.4599



18.1213, 0.1790, 0.2738



18.1213, 0.3473, 0.2490

Complementary

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



18.1213, 0.4126, 0.4599



4.8798, 0.1948, 0.1477

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.



18.1213, 0.2682, 0.2181



18.1213, 0.4126, 0.4599



18.1213, 0.1803, 0.2261

Square

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



18.1213, 0.4126, 0.4599



18.1213, 0.2079, 0.3517



18.1213, 0.2103, 0.2091



18.1213, 0.4247, 0.2965

Rectangle

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



18.1213, 0.4126, 0.4599



18.1213, 0.2903, 0.4550



18.1213, 0.2103, 0.2091



18.1213, 0.3197, 0.2365

Sweetspot

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



18.1222, 0.4126, 0.4599



36.6461, 0.3433, 0.3718



6.8279, 0.4900, 0.3095



8.2309, 0.3470, 0.3768



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.



18.1222, 0.4126, 0.4599



30.7098, 0.4289, 0.4766



18.7703, 0.3598, 0.4994



4.9286, 0.3259, 0.3477



15.9618, 0.4429, 0.4865



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.8798, 0.1948, 0.1477



5.6888, 0.1721, 0.1083



4.9309, 0.2285, 0.1431



4.2936, 0.2993, 0.3096



1.9251, 0.1536, 0.0730



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1213, 0.4126, 0.4599 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



This preview shows how the Yxy color 18.1213, 0.4126, 0.4599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

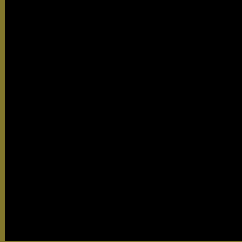
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1213, 0.4126, 0.4599

Background



This preview shows how black text looks on a background with the Yxy color 18.1213, 0.4126, 0.4599.



This preview shows how white text looks on a background with the Yxy color 18.1213, 0.4126, 0.4599.

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

18.1213, 0.4126, 0.4599

Protanopia

18.0442, 0.4165, 0.4569

Deuteranopia

17.9886, 0.4425, 0.4345



Tritanopia

17.9592, 0.3349, 0.3128

Trichromacy



Original Color

18.1213, 0.4126, 0.4599

Protanomaly

17.9640, 0.4151, 0.4577

Deuteranomaly

18.1136, 0.4316, 0.4445

Tritanomaly

17.8757, 0.3682, 0.3701

Monochromacy



Original Color

18.1213, 0.4126, 0.4599

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2051, 0.3515, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1213, 0.4126, 0.4599 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(130, 119, 44)` looks like.

```
.text, #text, p{  
    color:rgb(130, 119, 44)  
}
```

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(130, 119, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 119, 44) }
```

Border

The CSS property to change the border of an element to Yxy 18.1213, 0.4126, 0.4599 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(130, 119, 44) }
```

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

```
.border{ border-color:rgb(130, 119, 44) }
```

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

Here you see how a box with a 4 pixel rgb(130, 119, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 119, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 119, 44);  
box-shadow:4px 4px 4px 4px rgb(130, 119,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1213, 0.4126, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 119, 44) }
```

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

```
.background{ background-color: rgb(130,  
119, 44) }
```

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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