

Converting Colors

$Y_{xy}(13.9141, 0.4528, 0.4613)$

Have a look what the booklet for
Yxy(13.9141, 0.4528, 0.4613)
contains.

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Color

Yxy(13.9436, 0.4527, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	806513
RGB	128, 101, 19
RGB Percent	50%, 40%, 7%
CMY	0.4981, 0.6039, 0.9256
CMYK	0.00, 0.21, 0.85, 0.50
HSL	45°, 74%, 29%
HSV	45°, 85%, 50%
XYZ	13.6718, 13.9436, 2.5852
YIQ	99.7250, 42.4140, -19.7780

Conversions

Conversions Part 2

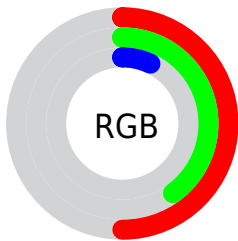
Format	Color
R_{YB}	55, 128, 19
Decimal	8414483
CIE _{Lab}	44.15, 2.70, 46.23
CIE _{LCh}	44, 46.306, 86.654
Yxy	13.9436, 0.4527, 0.4617
Android (android.graphics.Color)	4286604563 (0xFF806513)
YUV	99.7250, -39.7974, 24.7972
Hunter-Lab	37.3411, 0.0076, 22.0341

Details

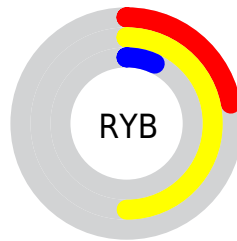
The Yxy color **13.9436, 0.4527, 0.4617** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.6459, 0.1734, 0.1230**, and the grayscale version is **12.7647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1018, 0.4234, 0.4362**, and **4.2282, 0.4697, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **13.3076, 0.4639, 0.4647**, and if you desaturate by 10%, it is **14.6274, 0.4389, 0.4545**.

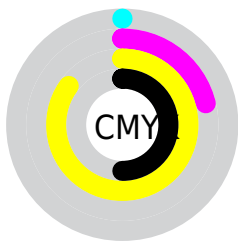
Distribution



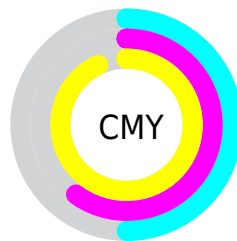
- Red (50%)
- Green (40%)
- Blue (7%)



- Red (22%)
- Yellow (50%)
- Blue (7%)



- Cyan (0%)
- Magenta (21%)
- Yellow (85%)
- Black (50%)





- Cyan (50%)
- Magenta (60%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9436, 0.4527, 0.4617 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 13.9436, 0.4527, 0.4617 by changing the saturation by 10% instead.


 13.9436, 0.4527,
0.4617


 13.9436, 0.4527,
0.4617


216.8797, 0.3751,
0.3897


 8.0814, 0.4707,
0.4771


 32.9889, 0.4242,
0.4359

 4.1471, 0.4989,
0.5011

 46.9409, 0.4133,
0.4259


 1.7562, 0.5027,
0.4973

 64.3582, 0.4042,
0.4174

 0.4596, 0.5225,
0.4775

 85.6254, 0.3965,
0.4101


 0.0000, 0.0000,
0.0000


 111.1267, 0.3899,
0.4039


 141.2466, 0.3843,

0.3985


 176.3694, 0.3794,
0.3938


 13.9436, 0.4527,
0.4617

 13.9436, 0.4527,
0.4617


 13.3076, 0.4639,
0.4647

 14.6274, 0.4389,
0.4545

 13.0118, 0.4692,
0.4656

 15.3615, 0.4230,
0.4433

 16.1497, 0.4057,
0.4288

 16.9946, 0.3877,
0.4120

 17.8987, 0.3697,
0.3938

■ 18.8643, 0.3523,
0.3751

■ 19.8934, 0.3357,
0.3563

■ 20.9881, 0.3202,
0.3381

■ 22.1501, 0.3060,
0.3208

Harmonies

Analogous

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



13.9436, 0.4981, 0.3957



13.9436, 0.4527, 0.4617



13.9436, 0.3744, 0.5060

Triad

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



13.9436, 0.4527, 0.4617



13.9436, 0.1637, 0.2901



13.9436, 0.3173, 0.2200

Complementary

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



13.9436, 0.4527, 0.4617



3.6459, 0.1734, 0.1230

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.



13.9436, 0.2312, 0.1931



13.9436, 0.4527, 0.4617



13.9436, 0.1544, 0.2215

Square

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



13.9436, 0.4527, 0.4617



13.9436, 0.2082, 0.3948



13.9436, 0.1767, 0.1919



13.9436, 0.4167, 0.2680

Rectangle

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



13.9436, 0.4527, 0.4617



13.9436, 0.3148, 0.5027



13.9436, 0.1767, 0.1919



13.9436, 0.2857, 0.2084

Sweetspot

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



13.9443, 0.4527, 0.4617



32.9726, 0.3547, 0.3777



5.2518, 0.5351, 0.2918



7.6034, 0.3597, 0.3832



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.



13.9443, 0.4527, 0.4617



22.6797, 0.4706, 0.4646



18.2334, 0.3780, 0.5233



4.8448, 0.3261, 0.3451



12.9069, 0.4692, 0.4657



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.6459, 0.1734, 0.1230



4.3311, 0.1582, 0.0895



2.6087, 0.1846, 0.0915



4.3713, 0.2993, 0.3123



2.5544, 0.1592, 0.0931



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.9436, 0.4527, 0.4617 looks on a white background.

Color Contrast Check

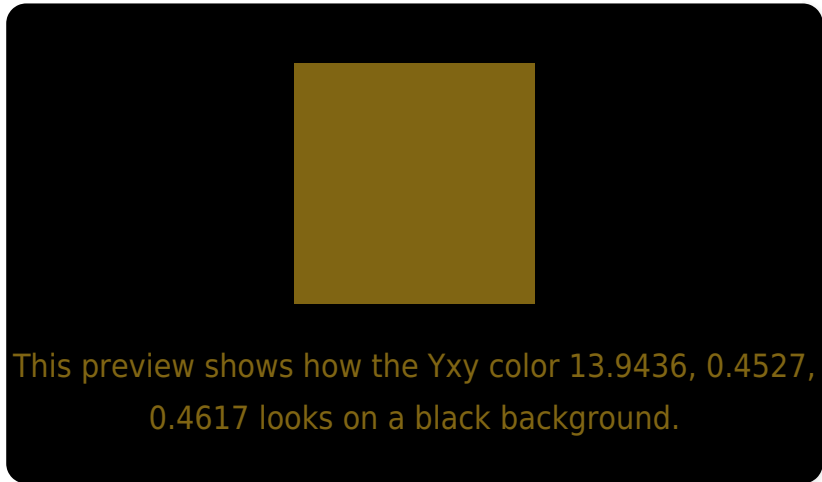
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

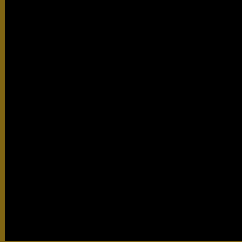
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9436, 0.4527, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 13.9436, 0.4527, 0.4617.



This preview shows how white text looks on a background with the Yxy color 13.9436, 0.4527, 0.4617.

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

13.9436, 0.4527, 0.4617

Protanopia

14.0052, 0.4309, 0.4771

Deuteranopia

13.8797, 0.4612, 0.4539



Tritanopia

13.9315, 0.3633, 0.3158

Trichromacy



Original Color

13.9436, 0.4527, 0.4617

Protanomaly

14.0887, 0.4385, 0.4715

Deuteranomaly

13.9901, 0.4581, 0.4564

Tritanomaly

13.8296, 0.4052, 0.3794

Monochromacy



Original Color

13.9436, 0.4527, 0.4617

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8843, 0.3695, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9436, 0.4527, 0.4617 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, 101, 19)` looks like.

```
.text, #text, p{  
    color:rgb(128, 101, 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(128, 101, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 101, 19) }
```

Border

The CSS property to change the border of an element to Yxy 13.9436, 0.4527, 0.4617 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, 101, 19) }
```

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

```
.border{ border-color:rgb(128, 101, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 101, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 101, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 101, 19);  
box-shadow:4px 4px 4px 4px rgb(128, 101,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9436, 0.4527, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 101, 19) }
```

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

```
.background{ background-color: rgb(128,  
101, 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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