

Converting Colors

$Y_{xy}(13.1722, 0.2615, 0.4604)$

Have a look what the booklet for
Yxy(13.1722, 0.2615, 0.4604)
contains.

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Color

Yxy(13.1712, 0.2616, 0.4606)

Conversions

Conversions Part 1

Format	Color
Hex	017546
RGB	1, 117, 70
RGB Percent	0%, 46%, 27%
CMY	0.9956, 0.5412, 0.7254
CMYK	0.99, 0.00, 0.40, 0.54
HSL	156°, 98%, 23%
HSV	156°, 99%, 46%
XYZ	7.4806, 13.1712, 7.9439
YIQ	76.9580, -54.0490, -39.2090

Conversions

Conversions Part 2

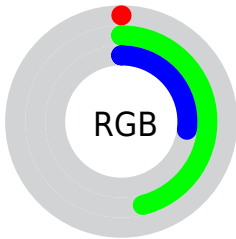
Format	Color
RYB	1, 74, 117
Decimal	95558
CIELab	43.02, -40.12, 18.19
CIELCh	43, 44.052, 155.615
Yxy	13.1712, 0.2616, 0.4606
Android (android.graphics.Color)	4278285638 (0xFF017546)
YUV	76.9580, -3.4303, -66.6152
Hunter-Lab	36.2921, -26.7183, 12.4267

Details

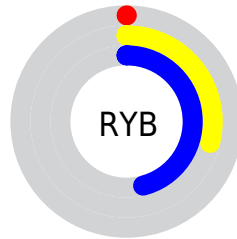
The Yxy color **13.1712, 0.2616, 0.4606** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0206, 0.5230, 0.2667**, and the grayscale version is **7.4347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5772, 0.2761, 0.4230**, and **4.0889, 0.2765, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **13.1587, 0.2617, 0.4620**, and if you desaturate by 10%, it is **13.3110, 0.2607, 0.4457**.

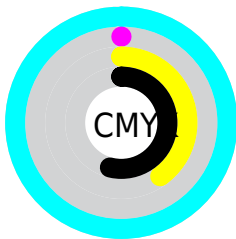
Distribution



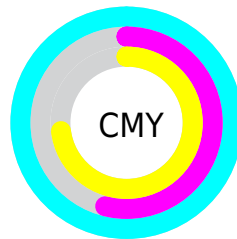
- Red (0%)
- Green (46%)
- Blue (27%)



- Red (0%)
- Yellow (29%)
- Blue (46%)



- Cyan (99%)
- Magenta (0%)
- Yellow (40%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1712, 0.2616, 0.4606 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 13.1712, 0.2616, 0.4606 by changing the saturation by 10% instead.


 13.1712, 0.2616,
0.4606


 13.1712, 0.2616,
0.4606


 212.0120, 0.2948,
0.3764


 7.5465, 0.2487,
0.4922


 31.6110, 0.2764,
0.4236


 3.8062, 0.2277,
0.5427

 45.1950, 0.2810,
0.4118


 1.5657, 0.1733,
0.6946

 62.2008, 0.2846,
0.4027

 0.3343, 0.0000,
1.0000


 83.0129, 0.2875,
0.3953


 0.0000, 0.0000,
0.0000


 108.0157, 0.2898,
0.3893


 137.5935, 0.2918,


0.3843

 172.1308, 0.2934,
0.3800

 13.1712, 0.2616,
0.4606


 13.1712, 0.2616,
0.4606

 13.1587, 0.2617,
0.4620

 13.3110, 0.2607,
0.4457

 13.4946, 0.2610,
0.4306

 13.7452, 0.2632,
0.4155

 14.0698, 0.2671,
0.4006

 14.4745, 0.2725,
0.3863

■ 14.9649, 0.2792,
0.3728

■ 15.5460, 0.2870,
0.3601

■ 16.2223, 0.2954,
0.3484

■ 16.9981, 0.3044,
0.3377

Harmonies

Analogous

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



13.1712, 0.3477, 0.5032



13.1712, 0.2616, 0.4606



13.1712, 0.1944, 0.3607

Triad

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



13.1712, 0.2616, 0.4606



13.1712, 0.1926, 0.1927



13.1712, 0.4922, 0.3489

Complementary

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



13.1712, 0.2616, 0.4606



4.0206, 0.5230, 0.2667

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.



13.1712, 0.4391, 0.2867



13.1712, 0.2616, 0.4606



13.1712, 0.2557, 0.2017

Square

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



13.1712, 0.2616, 0.4606



13.1712, 0.1615, 0.2122



13.1712, 0.3464, 0.2348



13.1712, 0.4849, 0.4147

Rectangle

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



13.1712, 0.2616, 0.4606



13.1712, 0.1683, 0.2947



13.1712, 0.3464, 0.2348



13.1712, 0.4810, 0.3275

Sweetspot

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



13.1717, 0.2616, 0.4606



27.6465, 0.2856, 0.3622



13.3877, 0.3291, 0.5757



6.2755, 0.2830, 0.3663



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1717, 0.2616, 0.4606



23.5370, 0.2627, 0.4657



11.8784, 0.2180, 0.3040



4.1313, 0.3044, 0.3377



14.4954, 0.2619, 0.4627



70.4650, 0.2640, 0.4705

Inverse Universe

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



4.0206, 0.5230, 0.2667



7.1206, 0.5320, 0.2705



4.0186, 0.6272, 0.3379



3.7232, 0.3219, 0.3204



4.3940, 0.5271, 0.2677



21.2517, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 13.1712, 0.2616, 0.4606 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 13.1712, 0.2616, 0.4606 looks on a 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 13.1712, 0.2616, 0.4606

Background



This preview shows how black text looks on a background with the Yxy color 13.1712, 0.2616, 0.4606.



This preview shows how white text looks on a background with the Yxy color 13.1712, 0.2616, 0.4606.

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

13.1712, 0.2616, 0.4606

Protanopia

12.9925, 0.3785, 0.4095

Deuteranopia

13.0505, 0.3817, 0.3748



Tritanopia

13.2172, 0.2330, 0.3071

Trichromacy



Original Color

13.1712, 0.2616, 0.4606

Protanomaly

12.2108, 0.3128, 0.4357

Deuteranomaly

11.9594, 0.3145, 0.4082

Tritanomaly

13.0026, 0.2407, 0.3574

Monochromacy



Original Color

13.1712, 0.2616, 0.4606

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.8017, 0.2755, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1712, 0.2616, 0.4606 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(1, 117, 70)` looks like.

```
.text, #text, p{  
    color:rgb(1, 117, 70)  
}
```

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(1, 117, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 117, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.1712, 0.2616, 0.4606 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(1, 117, 70) }
```

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

```
.border{ border-color:rgb(1, 117, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 117, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 117, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 117, 70);  
box-shadow:4px 4px 4px 4px rgb(1, 117, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1712, 0.2616, 0.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 117, 70) }
```

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

```
.background{ background-color: rgb(1, 117,  
70) }
```

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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