

Converting Colors

$Y_{xy}(13.2136, 0.2603, 0.4570)$

Have a look what the booklet for
Yxy(13.2136, 0.2603, 0.4570)
contains.

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Color

Yxy(13.1775, 0.2605, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	007547
RGB	0, 117, 71
RGB Percent	0%, 46%, 28%
CMY	1.0000, 0.5412, 0.7216
CMYK	1.00, 0.00, 0.39, 0.54
HSL	156°, 100%, 23%
HSV	156°, 100%, 46%
XYZ	7.4983, 13.1775, 8.1086
YIQ	76.7730, -54.9660, -39.1100

Conversions

Conversions Part 2

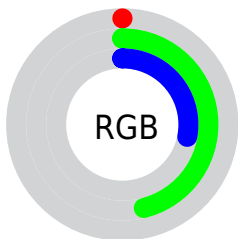
Format	Color
RYB	0, 73, 117
Decimal	30023
CIELab	43.03, -39.99, 17.63
CIELCh	43, 43.708, 156.211
Yxy	13.1775, 0.2605, 0.4578
Android (android.graphics.Color)	4278220103 (0xFF007547)
YUV	76.7730, -2.8461, -67.3299
Hunter-Lab	36.3008, -26.6553, 12.1669

Details

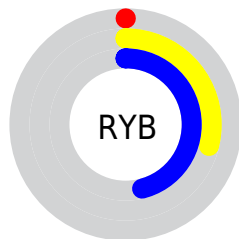
The Yxy color **13.1775, 0.2605, 0.4578** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9794, 0.5308, 0.2698**, and the grayscale version is **7.3903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6014, 0.2754, 0.4211**, and **4.0934, 0.2753, 0.5111** is the 20% darker color. If you saturate the color by 10%, you get **13.1781, 0.2605, 0.4578**, and if you desaturate by 10%, it is **13.3154, 0.2597, 0.4433**.

Distribution



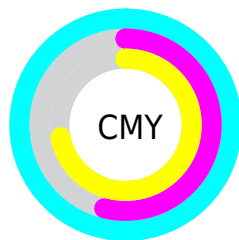
- Red (0%)
- Green (46%)
- Blue (28%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1775, 0.2605, 0.4578 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 13.1775, 0.2605, 0.4578 by changing the saturation by 10% instead.


 13.1775, 0.2605,
0.4578


 13.1775, 0.2605,
0.4578

212.0521, 0.2943,
0.3754


 7.5509, 0.2475,
0.4887


 31.6223, 0.2755,
0.4216


 3.8089, 0.2265,
0.5380

 45.2093, 0.2802,
0.4101


 1.5673, 0.1716,
0.6815

 62.2185, 0.2838,
0.4012

 0.3354, 0.0000,
1.0000


 83.0344, 0.2868,
0.3940


 0.0000, 0.0000,
0.0000


 108.0413, 0.2892,
0.3881


 137.6236, 0.2911,


0.3832


 172.1658, 0.2928,
0.3790

 13.1775, 0.2605,
0.4578


 13.1775, 0.2605,
0.4578


 13.1781, 0.2605,
0.4578

 13.3154, 0.2597,
0.4433

 13.4922, 0.2599,
0.4287

 13.7350, 0.2620,
0.4141

 14.0508, 0.2658,
0.3997

 14.4460, 0.2712,
0.3858

■ 14.9260, 0.2780,
0.3726

■ 15.4960, 0.2857,
0.3602

■ 16.1604, 0.2943,
0.3488

■ 16.9236, 0.3034,
0.3384

Harmonies

Analogous

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



13.1775, 0.3459, 0.5017



13.1775, 0.2605, 0.4578



13.1775, 0.1943, 0.3585

Triad

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



13.1775, 0.2605, 0.4578



13.1775, 0.1944, 0.1935



13.1775, 0.4913, 0.3502

Complementary

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



13.1775, 0.2605, 0.4578



3.9794, 0.5308, 0.2698

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.



13.1775, 0.4397, 0.2882



13.1775, 0.2605, 0.4578



13.1775, 0.2577, 0.2029

Square

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



13.1775, 0.2605, 0.4578



13.1775, 0.1627, 0.2123



13.1775, 0.3481, 0.2363



13.1775, 0.4831, 0.4157

Rectangle

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



13.1775, 0.2605, 0.4578



13.1775, 0.1688, 0.2934



13.1775, 0.3481, 0.2363



13.1775, 0.4806, 0.3289

Sweetspot

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



13.1781, 0.2605, 0.4578



27.6624, 0.2851, 0.3612



13.3228, 0.3268, 0.5787



6.2795, 0.2825, 0.3652



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.



13.1781, 0.2605, 0.4578



23.5699, 0.2615, 0.4613



11.4493, 0.2163, 0.2986



4.1320, 0.3042, 0.3375



14.5156, 0.2607, 0.4584



70.5642, 0.2628, 0.4660

Inverse Universe

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



3.9794, 0.5308, 0.2698



7.1003, 0.5370, 0.2732



4.0378, 0.6279, 0.3397



3.7225, 0.3220, 0.3207



4.3813, 0.5320, 0.2704



21.1924, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 13.1775, 0.2605, 0.4578 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 13.1775, 0.2605, 0.4578 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 13.1775, 0.2605, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 13.1775, 0.2605, 0.4578.



This preview shows how white text looks on a background with the Yxy color 13.1775, 0.2605, 0.4578.

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

13.1775, 0.2605, 0.4578

Protanopia

13.0040, 0.3772, 0.4074

Deuteranopia

13.0643, 0.3802, 0.3728



Tritanopia

13.2172, 0.2330, 0.3071

Trichromacy



Original Color

13.1775, 0.2605, 0.4578



Protanomaly

12.2227, 0.3117, 0.4330



Deuteranomaly

11.9315, 0.3118, 0.4059



Tritanomaly

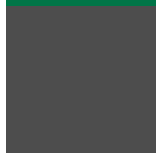
13.0026, 0.2407, 0.3574

Monochromacy



Original Color

13.1775, 0.2605, 0.4578



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

8.8153, 0.2743, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1775, 0.2605, 0.4578 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(0, 117, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 71)  
}
```

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(0, 117, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 71) }
```

Border

The CSS property to change the border of an element to Yxy 13.1775, 0.2605, 0.4578 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(0, 117, 71) }
```

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

```
.border{ border-color:rgb(0, 117, 71) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1775, 0.2605, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 71) }
```

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

```
.background{ background-color: rgb(0, 117,  
71) }
```

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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