

Converting Colors

$Y_{xy}(13.3597, 0.2676, 0.4554)$

Have a look what the booklet for
Yxy(13.3597, 0.2676, 0.4554)
contains.

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Color

Yxy(13.3597, 0.2676, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	177547
RGB	23, 117, 71
RGB Percent	9%, 46%, 28%
CMY	0.9102, 0.5411, 0.7216
CMYK	0.80, 0.00, 0.39, 0.54
HSL	151°, 67%, 27%
HSV	151°, 80%, 46%
XYZ	7.8504, 13.3597, 8.1261
YIQ	83.6500, -41.2580, -34.2340

Conversions

Conversions Part 2

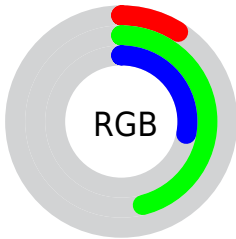
Format	Color
RYB	23, 85, 117
Decimal	1537351
CIELab	43.30, -37.86, 18.04
CIElCh	43, 41.934, 154.525
Yxy	13.3597, 0.2676, 0.4554
Android (android.graphics.Color)	4279727431 (0xFF177547)
YUV	83.6500, -6.2364, -53.1900
Hunter-Lab	36.5509, -25.6261, 12.4041

Details

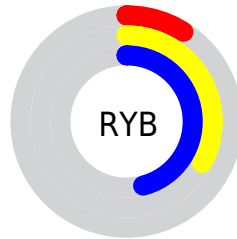
The Yxy color **13.3597, 0.2676, 0.4554** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.8201, 0.4441, 0.2457**, and the grayscale version is **8.8041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9445, 0.2804, 0.4198**, and **4.0934, 0.2753, 0.5111** is the 20% darker color. If you saturate the color by 10%, you get **13.1817, 0.2681, 0.4735**, and if you desaturate by 10%, it is **13.6066, 0.2689, 0.4370**.

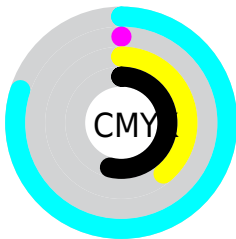
Distribution



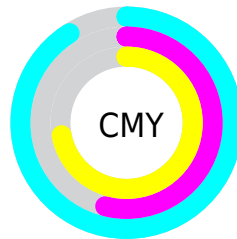
- Red (9%)
- Green (46%)
- Blue (28%)



- Red (9%)
- Yellow (33%)
- Blue (46%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)
- Black (54%)





- Cyan (91%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3597, 0.2676, 0.4554 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 13.3597, 0.2676, 0.4554 by changing the saturation by 10% instead.


 13.3597, 0.2676,
0.4554


 13.3597, 0.2676,
0.4554


213.2102, 0.2970,
0.3748


 7.6767, 0.2561,
0.4854


 31.9485, 0.2807,
0.4201


 3.8888, 0.2373,
0.5333

 45.6231, 0.2848,
0.4088


 1.6115, 0.1957,
0.6634

 62.7304, 0.2880,
0.4001

 0.3654, 0.0000,
1.0000

 83.6547, 0.2905,
0.3930

 0.0000, 0.0000,
0.0000

 108.7804, 0.2926,
0.3872

 138.4920, 0.2943,

0.3824

173.1738, 0.2958,
0.3783

■ 13.3597, 0.2676,
0.4554

■ 13.3597, 0.2676,
0.4554

■ 13.1817, 0.2681,
0.4735

■ 13.6066, 0.2689,
0.4370

■ 13.0484, 0.2696,
0.4904

■ 13.9282, 0.2719,
0.4188

■ 14.3313, 0.2765,
0.4012

■ 14.8216, 0.2823,
0.3844

■ 15.4042, 0.2890,
0.3688

■ 16.0838, 0.2964,
0.3544

■ 16.8648, 0.3043,
0.3413

■ 17.7513, 0.3124,
0.3295

■ 18.7472, 0.3205,
0.3189

Harmonies

Analogous

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



13.3597, 0.3502, 0.4938



13.3597, 0.2676, 0.4554



13.3597, 0.2020, 0.3631

Triad

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



13.3597, 0.2676, 0.4554



13.3597, 0.1963, 0.1987



13.3597, 0.4823, 0.3469

Complementary

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



13.3597, 0.2676, 0.4554



4.8201, 0.4441, 0.2457

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.



13.3597, 0.4298, 0.2870



13.3597, 0.2676, 0.4554



13.3597, 0.2560, 0.2062

Square

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



13.3597, 0.2676, 0.4554



13.3597, 0.1672, 0.2191



13.3597, 0.3416, 0.2375



13.3597, 0.4783, 0.4102

Rectangle

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



13.3597, 0.2676, 0.4554



13.3597, 0.1757, 0.3003



13.3597, 0.3416, 0.2375



13.3597, 0.4708, 0.3263

Sweetspot

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



13.3602, 0.2676, 0.4554



28.2653, 0.2933, 0.3603



14.0862, 0.3453, 0.5382



6.4203, 0.2912, 0.3644



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.



13.3602, 0.2676, 0.4554



23.3978, 0.2700, 0.4893



14.1898, 0.2299, 0.3288



4.1265, 0.3054, 0.3396



14.3715, 0.2698, 0.4911



69.8603, 0.2722, 0.5001

Inverse Universe

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



4.8201, 0.4441, 0.2457



7.4099, 0.4900, 0.2499



4.4530, 0.5773, 0.3298



3.7279, 0.3207, 0.3187



4.4914, 0.4931, 0.2490



21.7151, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 13.3597, 0.2676, 0.4554 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 13.3597, 0.2676, 0.4554 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 13.3597, 0.2676, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 13.3597, 0.2676, 0.4554.



This preview shows how white text looks on a background with the Yxy color 13.3597, 0.2676, 0.4554.

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

13.3597, 0.2676, 0.4554

Protanopia

13.2639, 0.3780, 0.4089

Deuteranopia

13.2502, 0.3795, 0.3748



Tritanopia

13.3293, 0.2362, 0.3073

Trichromacy



Original Color

13.3597, 0.2676, 0.4554

Protanomaly

12.5829, 0.3239, 0.4292

Deuteranomaly

12.5289, 0.3244, 0.4051

Tritanomaly

13.1816, 0.2466, 0.3570

Monochromacy



Original Color

13.3597, 0.2676, 0.4554

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.9544, 0.2866, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3597, 0.2676, 0.4554 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(23, 117, 71)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 117, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 117, 71) }
```

Border

The CSS property to change the border of an element to Yxy 13.3597, 0.2676, 0.4554 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(23, 117, 71) }
```

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

```
.border{ border-color:rgb(23, 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(23, 117, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 117, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 117, 71);  
box-shadow:4px 4px 4px 4px rgb(23, 117,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3597, 0.2676, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 117, 71) }
```

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

```
.background{ background-color: rgb(23, 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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