

Converting Colors

$Yxy(12.0815, 0.2004, 0.4328)$

Have a look what the booklet for
Yxy(12.0815, 0.2004, 0.4328)
contains.

Yxy(13.3471, 0.2506, 0.4222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(13.3471, 0.2506, 0.4222)$

Conversions

Conversions Part 1

Format	Color
Hex	007553
RGB	0, 117, 83
RGB Percent	0%, 46%, 33%
CMY	1.0000, 0.5412, 0.6745
CMYK	1.00, 0.00, 0.29, 0.54
HSL	163°, 100%, 23%
HSV	163°, 100%, 46%
XYZ	7.9223, 13.3471, 10.3438
YIQ	78.1410, -58.8180, -35.3780

Conversions

Conversions Part 2

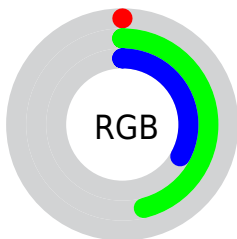
Format	Color
RYB	0, 68, 117
Decimal	30035
CIELab	43.28, -37.11, 10.95
CIELCh	43, 38.696, 163.559
Yxy	13.3471, 0.2506, 0.4222
Android (android.graphics.Color)	4278220115 (0xFF007553)
YUV	78.1410, 2.3955, -68.5297
Hunter-Lab	36.5337, -25.2265, 8.7867

Details

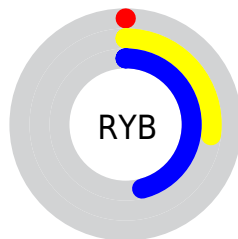
The Yxy color **13.3471, 0.2506, 0.4222** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8976, 0.5696, 0.2912**, and the grayscale version is **7.6509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9388, 0.2666, 0.3959**, and **4.1543, 0.2612, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **13.3480, 0.2506, 0.4222**, and if you desaturate by 10%, it is **13.4778, 0.2506, 0.4116**.

Distribution



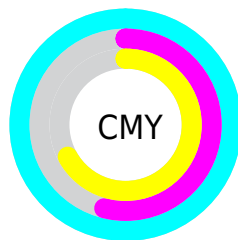
- Red (0%)
- Green (46%)
- Blue (33%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3471, 0.2506, 0.4222 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 13.3471, 0.2506, 0.4222 by changing the saturation by 10% instead.


 13.3471, 0.2506,
0.4222


 13.3471, 0.2506,
0.4222


213.1304, 0.2891,
0.3635


 7.6680, 0.2370,
0.4437


 31.9260, 0.2671,
0.3967


 3.8832, 0.2161,
0.4776

 45.5945, 0.2724,
0.3885

 1.6085, 0.1675,
0.5480

 62.6950, 0.2767,
0.3821

 0.3633, 0.0000,
1.0000


 83.6118, 0.2801,
0.3770


 0.0000, 0.0000,
0.0000


 108.7294, 0.2829,
0.3727


 138.4321, 0.2853,

0.3691

 173.1043, 0.2873,
0.3661


 13.3471, 0.2506,
0.4222


 13.3471, 0.2506,
0.4222


 13.3480, 0.2506,
0.4222

 13.4778, 0.2506,
0.4116

 13.6452, 0.2517,
0.4011

 13.8764, 0.2546,
0.3906

 14.1787, 0.2592,
0.3803

 14.5582, 0.2655,
0.3703

■ 15.0204, 0.2731,
0.3608

■ 15.5702, 0.2819,
0.3519

■ 16.2123, 0.2916,
0.3436

■ 16.9508, 0.3020,
0.3359

Harmonies

Analogous

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



13.3471, 0.3253, 0.4764



13.3471, 0.2506, 0.4222



13.3471, 0.1968, 0.3339

Triad

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



13.3471, 0.2506, 0.4222



13.3471, 0.2179, 0.2065



13.3471, 0.4743, 0.3651

Complementary

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



13.3471, 0.2506, 0.4222



3.8976, 0.5696, 0.2912

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.



13.3471, 0.4404, 0.3068



13.3471, 0.2506, 0.4222



13.3471, 0.2824, 0.2206

Square

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



13.3471, 0.2506, 0.4222



13.3471, 0.1815, 0.2178



13.3471, 0.3656, 0.2561



13.3471, 0.4569, 0.4239

Rectangle

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



13.3471, 0.2506, 0.4222



13.3471, 0.1781, 0.2809



13.3471, 0.3656, 0.2561



13.3471, 0.4688, 0.3453

Sweetspot

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



13.3480, 0.2506, 0.4222



27.7980, 0.2812, 0.3525



13.0824, 0.3166, 0.5868



6.3135, 0.2782, 0.3554



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.



13.3480, 0.2506, 0.4222



23.8769, 0.2513, 0.4248



9.2193, 0.2073, 0.2662



4.1380, 0.3030, 0.3352



14.7030, 0.2507, 0.4227



71.4951, 0.2523, 0.4283

Inverse Universe

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



3.8976, 0.5696, 0.2912



6.9576, 0.5760, 0.2947



4.4110, 0.6116, 0.3526



3.7168, 0.3235, 0.3229



4.2916, 0.5708, 0.2918



20.7814, 0.5841, 0.2992

Previews

White Background



This preview shows how the Yxy color 13.3471, 0.2506, 0.4222 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 13.3471, 0.2506, 0.4222 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 13.3471, 0.2506, 0.4222

Background



This preview shows how black text looks on a background with the Yxy color 13.3471, 0.2506, 0.4222.



This preview shows how white text looks on a background with the Yxy color 13.3471, 0.2506, 0.4222.

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

13.3471, 0.2506, 0.4222

Protanopia

13.2758, 0.3595, 0.3861

Deuteranopia

13.2054, 0.3581, 0.3523



Tritanopia

13.4002, 0.2311, 0.3072

Trichromacy



Original Color

13.3471, 0.2506, 0.4222

Protanomaly

12.3451, 0.2965, 0.4012

Deuteranomaly

12.2309, 0.2945, 0.3769

Tritanomaly

13.3028, 0.2364, 0.3467

Monochromacy



Original Color

13.3471, 0.2506, 0.4222

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.9116, 0.2694, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3471, 0.2506, 0.4222 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 83) }
```

Border

The CSS property to change the border of an element to Yxy 13.3471, 0.2506, 0.4222 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, 83) }
```

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

```
.border{ border-color:rgb(0, 117, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3471, 0.2506, 0.4222 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, 83) }
```

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

```
.background{ background-color: rgb(0, 117,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor