

Converting Colors

$Y_{xy}(13.9975, 0.2556, 0.4402)$

Have a look what the booklet for
Yxy(13.9975, 0.2556, 0.4402)
contains.

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Color

Yxy(13.9975, 0.2556, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	00784F
RGB	0, 120, 79
RGB Percent	0%, 47%, 31%
CMY	1.0000, 0.5294, 0.6901
CMYK	1.00, 0.00, 0.34, 0.53
HSL	160°, 100%, 24%
HSV	160°, 100%, 47%
XYZ	8.1276, 13.9975, 9.6730
YIQ	79.4460, -58.3590, -38.1910

Conversions

Conversions Part 2

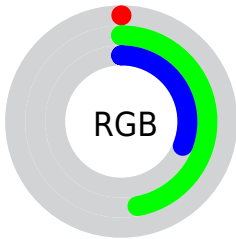
Format	Color
RYB	0, 72, 120
Decimal	30799
CIELab	44.23, -39.33, 14.60
CIELCh	44, 41.952, 159.629
Yxy	13.9975, 0.2556, 0.4402
Android (android.graphics.Color)	4278220879 (0xFF00784F)
YUV	79.4460, -0.2199, -69.6741
Hunter-Lab	37.4132, -26.6962, 10.8602

Details

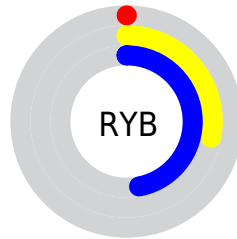
The Yxy color **13.9975, 0.2556, 0.4402** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1533, 0.5516, 0.2812**, and the grayscale version is **7.9186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9822, 0.2713, 0.4100**, and **4.4958, 0.2687, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **13.9984, 0.2556, 0.4402**, and if you desaturate by 10%, it is **14.1381, 0.2551, 0.4276**.

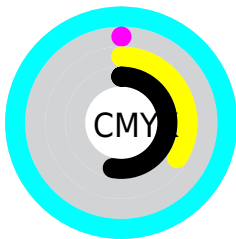
Distribution



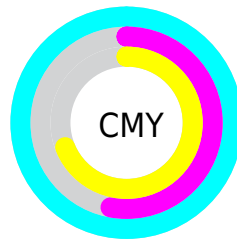
- Red (0%)
- Green (47%)
- Blue (31%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9975, 0.2556, 0.4402 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 13.9975, 0.2556, 0.4402 by changing the saturation by 10% instead.


 13.9975, 0.2556,
0.4402


 13.9975, 0.2556,
0.4402


217.2153, 0.2914,
0.3700


 8.1189, 0.2427,
0.4659


 33.0846, 0.2711,
0.4097


 4.1711, 0.2224,
0.5063

 47.0619, 0.2761,
0.3999


 1.7698, 0.1790,
0.5897

 64.5076, 0.2800,
0.3923

 0.4682, 0.0000,
1.0000


 85.8060, 0.2832,
0.3861


 0.0000, 0.0000,
0.0000

 111.3416, 0.2858,
0.3810


 141.4988, 0.2880,


0.3768


 176.6618, 0.2898,
0.3731


 13.9975, 0.2556,
0.4402

 13.9975, 0.2556,
0.4402


 13.9984, 0.2556,
0.4402

 14.1381, 0.2551,
0.4276

 14.3195, 0.2557,
0.4150

 14.5695, 0.2582,
0.4024

 14.8958, 0.2624,
0.3901

 15.3050, 0.2682,
0.3781

■ 15.8030, 0.2754,
0.3668

■ 16.3951, 0.2838,
0.3561

■ 17.0861, 0.2929,
0.3462

■ 17.8807, 0.3026,
0.3372

Harmonies

Analogous

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



13.9975, 0.3359, 0.4898



13.9975, 0.2556, 0.4402



13.9975, 0.1954, 0.3461

Triad

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



13.9975, 0.2556, 0.4402



13.9975, 0.2057, 0.1997



13.9975, 0.4832, 0.3576

Complementary

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



13.9975, 0.2556, 0.4402



4.1533, 0.5516, 0.2812

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.



13.9975, 0.4403, 0.2973



13.9975, 0.2556, 0.4402



13.9975, 0.2697, 0.2114

Square

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



13.9975, 0.2556, 0.4402



13.9975, 0.1717, 0.2149



13.9975, 0.3568, 0.2459



13.9975, 0.4704, 0.4200

Rectangle

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



13.9975, 0.2556, 0.4402



13.9975, 0.1733, 0.2870



13.9975, 0.3568, 0.2459



13.9975, 0.4750, 0.3369

Sweetspot

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



13.9984, 0.2556, 0.4402



28.7521, 0.2831, 0.3569



13.9260, 0.3212, 0.5831



6.7262, 0.2802, 0.3604



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.9984, 0.2556, 0.4402



24.5938, 0.2564, 0.4431



10.8594, 0.2118, 0.2825



4.4903, 0.3035, 0.3364



15.2679, 0.2558, 0.4407



72.6651, 0.2575, 0.4471

Inverse Universe

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



4.1533, 0.5516, 0.2812



7.2814, 0.5577, 0.2846



4.4259, 0.6210, 0.3452



4.0356, 0.3228, 0.3217



4.5283, 0.5526, 0.2818



21.4551, 0.5658, 0.2890

Previews

White Background



This preview shows how the Yxy color 13.9975, 0.2556, 0.4402 looks on a white background.

Color Contrast Check

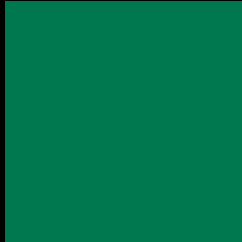
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9975, 0.2556, 0.4402 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 13.9975, 0.2556, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 13.9975, 0.2556, 0.4402.



This preview shows how white text looks on a background with the Yxy color 13.9975, 0.2556, 0.4402.

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

13.9975, 0.2556, 0.4402

Protanopia

13.8792, 0.3701, 0.3973

Deuteranopia

13.8194, 0.3678, 0.3620



Tritanopia

13.9821, 0.2317, 0.3053

Trichromacy



Original Color

13.9975, 0.2556, 0.4402

Protanomaly

13.0376, 0.3048, 0.4175

Deuteranomaly

12.7024, 0.3032, 0.3913

Tritanomaly

13.8065, 0.2377, 0.3489

Monochromacy



Original Color

13.9975, 0.2556, 0.4402

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.2480, 0.2713, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9975, 0.2556, 0.4402 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, 120, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 79)  
}
```

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, 120, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 79) }
```

Border

The CSS property to change the border of an element to Yxy 13.9975, 0.2556, 0.4402 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, 120, 79) }
```

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

```
.border{ border-color:rgb(0, 120, 79) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9975, 0.2556, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 79) }
```

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

```
.background{ background-color: rgb(0, 120,  
79) }
```

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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