

Converting Colors

$Yxy(13.2260, 0.2405, 0.4023)$

Have a look what the booklet for
Yxy(13.2260, 0.2405, 0.4023)
contains.

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Color

Yxy(13.4608, 0.2449, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	00755A
RGB	0, 117, 90
RGB Percent	0%, 46%, 35%
CMY	1.0000, 0.5412, 0.6470
CMYK	1.00, 0.00, 0.23, 0.54
HSL	166°, 100%, 23%
HSV	166°, 100%, 46%
XYZ	8.2065, 13.4608, 11.8423
YIQ	78.9390, -61.0650, -33.2010

Conversions

Conversions Part 2

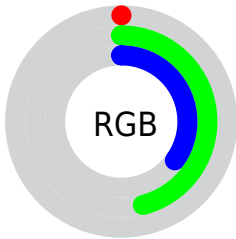
Format	Color
RYB	0, 66, 117
Decimal	30042
CIELab	43.45, -35.26, 7.03
CIELCh	43, 35.950, 168.720
Yxy	13.4608, 0.2449, 0.4017
Android (android.graphics.Color)	4278220122 (0xFF00755A)
YUV	78.9390, 5.4531, -69.2295
Hunter-Lab	36.6890, -24.2792, 6.5449

Details

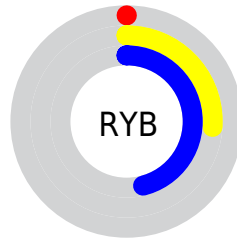
The Yxy color **13.4608, 0.2449, 0.4017** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8612, 0.5895, 0.3021**, and the grayscale version is **7.8054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1794, 0.2626, 0.3825**, and **4.3161, 0.2542, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **13.4619, 0.2449, 0.4017**, and if you desaturate by 10%, it is **13.5847, 0.2454, 0.3935**.

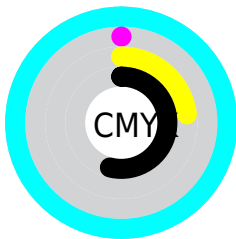
Distribution



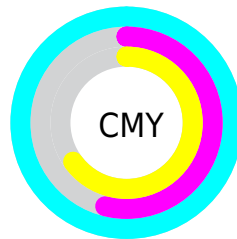
- Red (0%)
- Green (46%)
- Blue (35%)



- Red (0%)
- Yellow (26%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (65%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4608, 0.2449, 0.4017 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 13.4608, 0.2449, 0.4017 by changing the saturation by 10% instead.


 13.4608, 0.2449,
0.4017

 13.4608, 0.2449,
0.4017


213.8501, 0.2862,
0.3565


 7.7466, 0.2308,
0.4178


 32.1292, 0.2623,
0.3823

 3.9332, 0.2096,
0.4428

 45.8522, 0.2680,
0.3760


 1.6363, 0.1665,
0.4914

 63.0136, 0.2726,
0.3711

 0.3819, 0.0000,
1.0000


 83.9977, 0.2763,
0.3670


 0.0000, 0.0000,
0.0000

 109.1891, 0.2794,
0.3637


 138.9720, 0.2821,

0.3609

 173.7309, 0.2843,
0.3586


 13.4608, 0.2449,
0.4017


 13.4608, 0.2449,
0.4017

 13.4619, 0.2449,
0.4017

 13.5847, 0.2454,
0.3935

 13.7441, 0.2470,
0.3853

 13.9665, 0.2503,
0.3772

 14.2589, 0.2554,
0.3692

 14.6276, 0.2622,
0.3615

■ 15.0780, 0.2704,
0.3540

■ 15.6150, 0.2798,
0.3470

■ 16.2432, 0.2901,
0.3405

■ 16.9669, 0.3012,
0.3345

Harmonies

Analogous

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



13.4608, 0.3129, 0.4598



13.4608, 0.2449, 0.4017



13.4608, 0.1987, 0.3206

Triad

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



13.4608, 0.2449, 0.4017



13.4608, 0.2328, 0.2146



13.4608, 0.4635, 0.3739

Complementary

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



13.4608, 0.2449, 0.4017



3.8612, 0.5895, 0.3021

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.



13.4608, 0.4397, 0.3182



13.4608, 0.2449, 0.4017



13.4608, 0.2974, 0.2316

Square

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



13.4608, 0.2449, 0.4017



13.4608, 0.1935, 0.2214



13.4608, 0.3753, 0.2682



13.4608, 0.4409, 0.4277

Rectangle

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



13.4608, 0.2449, 0.4017



13.4608, 0.1841, 0.2743



13.4608, 0.3753, 0.2682



13.4608, 0.4610, 0.3551

Sweetspot

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



13.4619, 0.2449, 0.4017



27.8799, 0.2790, 0.3476



12.9605, 0.3111, 0.5911



6.3341, 0.2758, 0.3498



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.



13.4619, 0.2449, 0.4017



24.0836, 0.2455, 0.4037



7.9085, 0.2011, 0.2438



4.1415, 0.3023, 0.3339



14.8287, 0.2450, 0.4021



72.1265, 0.2462, 0.4064

Inverse Universe

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



3.8612, 0.5895, 0.3021



6.8954, 0.5956, 0.3054



4.7726, 0.5973, 0.3640



3.7134, 0.3243, 0.3241



4.2518, 0.5907, 0.3028



20.6073, 0.6030, 0.3096

Previews

White Background



This preview shows how the Yxy color 13.4608, 0.2449, 0.4017 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 13.4608, 0.2449, 0.4017 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 13.4608, 0.2449, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 13.4608, 0.2449, 0.4017.



This preview shows how white text looks on a background with the Yxy color 13.4608, 0.2449, 0.4017.

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

13.4608, 0.2449, 0.4017

Protanopia

13.3785, 0.3496, 0.3706

Deuteranopia

13.3767, 0.3441, 0.3396



Tritanopia

13.6087, 0.2299, 0.3072

Trichromacy



Original Color

13.4608, 0.2449, 0.4017

Protanomaly

12.4525, 0.2885, 0.3825

Deuteranomaly

12.5148, 0.2851, 0.3612

Tritanomaly

13.3546, 0.2337, 0.3389

Monochromacy



Original Color

13.4608, 0.2449, 0.4017

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.1313, 0.2662, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4608, 0.2449, 0.4017 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 90) }
```

Border

The CSS property to change the border of an element to Yxy 13.4608, 0.2449, 0.4017 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, 90) }
```

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

```
.border{ border-color:rgb(0, 117, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4608, 0.2449, 0.4017 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, 90) }
```

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

```
.background{ background-color: rgb(0, 117,  
90) }
```

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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