

Converting Colors

$Yxy(17.0394, 0.2502, 0.4208)$

Have a look what the booklet for
Yxy(17.0394, 0.2502, 0.4208)
contains.

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Color

$\text{Yxy}(17.0408, 0.2502, 0.4205)$

Conversions

Conversions Part 1

Format	Color
Hex	00835E
RGB	0, 131, 94
RGB Percent	0%, 51%, 37%
CMY	0.9989, 0.4863, 0.6314
CMYK	1.00, 0.00, 0.28, 0.49
HSL	163°, 100%, 26%
HSV	163°, 100%, 51%
XYZ	10.1394, 17.0408, 13.3449
YIQ	87.6130, -66.1990, -39.2790

Conversions

Conversions Part 2

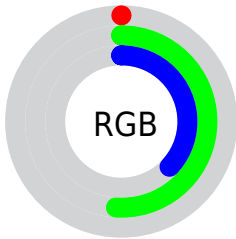
Format	Color
RYB	0, 76, 131
Decimal	33630
CIELab	48.31, -40.07, 11.54
CIELCh	48, 41.698, 163.939
Yxy	17.0408, 0.2502, 0.4205
Android (android.graphics.Color)	4278223710 (0xFF00835E)
YUV	87.6130, 3.1488, -76.8366
Hunter-Lab	41.2805, -28.3975, 9.7294

Details

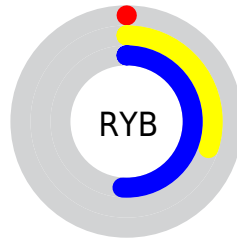
The Yxy color **17.0408, 0.2502, 0.4205** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.9666, 0.5744, 0.2941**, and the grayscale version is **9.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4170, 0.2661, 0.3979**, and **5.9507, 0.2593, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **17.0381, 0.2502, 0.4207**, and if you desaturate by 10%, it is **17.1963, 0.2499, 0.4102**.

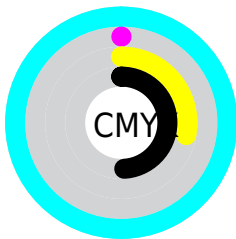
Distribution



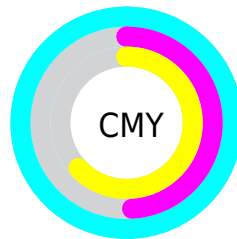
- Red (0%)
- Green (51%)
- Blue (37%)



- Red (0%)
- Yellow (30%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0408, 0.2502, 0.4205 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 17.0408, 0.2502, 0.4205 by changing the saturation by 10% instead.

 17.0408, 0.2502,
0.4205


 17.0408, 0.2502,
0.4205


235.4074, 0.2877,
0.3647


 10.2636, 0.2379,
0.4395


 38.3959, 0.2658,
0.3970


 5.5741, 0.2196,
0.4683

 53.7426, 0.2710,
0.3892


 2.5879, 0.1902,
0.5164

 72.7146, 0.2751,
0.3830

 0.9206, 0.0000,
0.8250

 95.6962, 0.2786,
0.3780

 0.0000, 0.0000,
0.0000

 123.0719, 0.2814,
0.3738

 155.2261, 0.2838,

0.3703

192.5431, 0.2859,
0.3673

■ 17.0408, 0.2502,
0.4205

■ 17.0408, 0.2502,
0.4205

■ 17.0381, 0.2502,
0.4207

■ 17.1963, 0.2499,
0.4102

■ 17.4053, 0.2509,
0.3998

■ 17.6968, 0.2538,
0.3895

■ 18.0804, 0.2585,
0.3794

■ 18.5642, 0.2648,
0.3695

■ 19.1555, 0.2726,
0.3602

■ 19.8610, 0.2816,
0.3514

■ 20.6865, 0.2914,
0.3432

■ 21.6379, 0.3020,
0.3357

Harmonies

Analogous

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



17.0408, 0.3244, 0.4751



17.0408, 0.2502, 0.4205



17.0408, 0.1970, 0.3329

Triad

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



17.0408, 0.2502, 0.4205



17.0408, 0.2191, 0.2072



17.0408, 0.4734, 0.3658

Complementary

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



17.0408, 0.2502, 0.4205



4.9666, 0.5744, 0.2941

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.



17.0408, 0.4402, 0.3077



17.0408, 0.2502, 0.4205



17.0408, 0.2836, 0.2215

Square

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



17.0408, 0.2502, 0.4205



17.0408, 0.1825, 0.2182



17.0408, 0.3663, 0.2570



17.0408, 0.4556, 0.4241

Rectangle

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



17.0408, 0.2502, 0.4205



17.0408, 0.1787, 0.2804



17.0408, 0.3663, 0.2570



17.0408, 0.4681, 0.3461

Sweetspot

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



17.0415, 0.2502, 0.4205



35.4453, 0.2807, 0.3521



16.6313, 0.3145, 0.5882



8.1421, 0.2774, 0.3553



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.0415, 0.2502, 0.4205



30.4867, 0.2508, 0.4230



11.2766, 0.2056, 0.2600



5.2570, 0.3027, 0.3352



16.7732, 0.2502, 0.4207



0.0594, 0.2370, 0.3733

Inverse Universe

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



4.9666, 0.5744, 0.2941



8.8574, 0.5808, 0.2973



5.6852, 0.6094, 0.3539



4.7088, 0.3238, 0.3229



4.8821, 0.5750, 0.2941



0.0180, 0.4706, 0.2366

Previews

White Background



This preview shows how the Yxy color 17.0408, 0.2502, 0.4205 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 17.0408, 0.2502, 0.4205 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 17.0408, 0.2502, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 17.0408, 0.2502, 0.4205.



This preview shows how white text looks on a background with the Yxy color 17.0408, 0.2502, 0.4205.

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

17.0408, 0.2502, 0.4205

Protanopia

16.8441, 0.3590, 0.3846

Deuteranopia

16.8780, 0.3564, 0.3500



Tritanopia

17.2129, 0.2302, 0.3071

Trichromacy



Original Color

17.0408, 0.2502, 0.4205



Protanomaly

15.7739, 0.2966, 0.4012



Deuteranomaly

15.6589, 0.2937, 0.3769



Tritanomaly

17.0518, 0.2351, 0.3449

Monochromacy



Original Color

17.0408, 0.2502, 0.4205



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.4796, 0.2688, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0408, 0.2502, 0.4205 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, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 94)  
}
```

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, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.0408, 0.2502, 0.4205 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, 131, 94) }
```

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

```
.border{ border-color:rgb(0, 131, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0408, 0.2502, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 94) }
```

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

```
.background{ background-color: rgb(0, 131,  
94) }
```

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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