

Converting Colors

$Yxy(17.0407, 0.2519, 0.4245)$

Have a look what the booklet for
Yxy(17.0407, 0.2519, 0.4245)
contains.

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Color

$\text{Yxy}(17.0247, 0.2522, 0.4257)$

Conversions

Conversions Part 1

Format	Color
Hex	03835C
RGB	3, 131, 92
RGB Percent	1%, 51%, 36%
CMY	0.9881, 0.4863, 0.6392
CMYK	0.98, 0.00, 0.30, 0.49
HSL	162°, 95%, 26%
HSV	162°, 98%, 51%
XYZ	10.0860, 17.0247, 12.8815
YIQ	88.2820, -63.7690, -39.2650

Conversions

Conversions Part 2

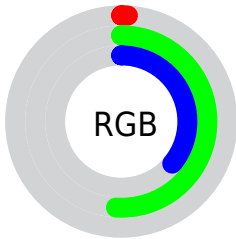
Format	Color
RYB	3, 79, 131
Decimal	230236
CIELab	48.29, -40.40, 12.66
CIELCh	48, 42.338, 162.594
Yxy	17.0247, 0.2522, 0.4257
Android (android.graphics.Color)	4278420316 (0xFF03835C)
YUV	88.2820, 1.8330, -74.7923
Hunter-Lab	41.2610, -28.5733, 10.3726

Details

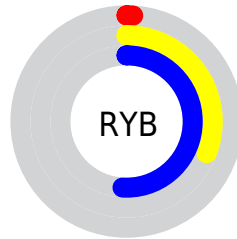
The Yxy color **17.0247, 0.2522, 0.4257** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.0583, 0.5600, 0.2887**, and the grayscale version is **9.8321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4002, 0.2678, 0.4014**, and **5.9346, 0.2616, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **16.9899, 0.2523, 0.4283**, and if you desaturate by 10%, it is **17.1888, 0.2519, 0.4145**.

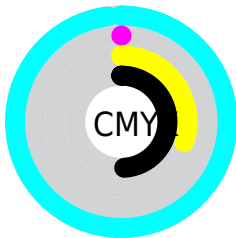
Distribution



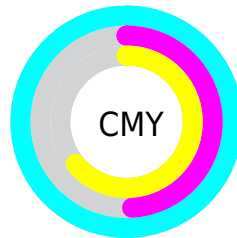
- Red (1%)
- Green (51%)
- Blue (36%)



- Red (1%)
- Yellow (31%)
- Blue (51%)



- Cyan (98%)
- Magenta (0%)
- Yellow (30%)
- Black (49%)





- Cyan (99%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0247, 0.2522, 0.4257 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 17.0247, 0.2522, 0.4257 by changing the saturation by 10% instead.


 17.0247, 0.2522,
0.4257


 17.0247, 0.2522,
0.4257


235.3147, 0.2887,
0.3665


 10.2521, 0.2401,
0.4460


 38.3682, 0.2674,
0.4007


 5.5664, 0.2220,
0.4767

 53.7080, 0.2725,
0.3925

 2.5833, 0.1927,
0.5283

 72.6722, 0.2765,
0.3859

 0.9183, 0.0000,
0.8896

 95.6453, 0.2799,
0.3806

 0.0000, 0.0000,
0.0000

 123.0117, 0.2826,
0.3762

 155.1558, 0.2849,

0.3725

192.4620, 0.2869,
0.3693

■ 17.0247, 0.2522,
0.4257

■ 17.0247, 0.2522,
0.4257

■ 16.9899, 0.2523,
0.4283

■ 17.1888, 0.2519,
0.4145

■ 17.4174, 0.2531,
0.4033

■ 17.7312, 0.2561,
0.3921

■ 18.1394, 0.2610,
0.3812

■ 18.6499, 0.2675,
0.3706

■ 19.2700, 0.2753,
0.3606

■ 20.0059, 0.2843,
0.3512

■ 20.8638, 0.2941,
0.3425

■ 21.8492, 0.3045,
0.3346

Harmonies

Analogous

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



17.0247, 0.3279, 0.4786



17.0247, 0.2522, 0.4257



17.0247, 0.1972, 0.3367

Triad

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



17.0247, 0.2522, 0.4257



17.0247, 0.2155, 0.2055



17.0247, 0.4754, 0.3633

Complementary

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



17.0247, 0.2522, 0.4257



5.0583, 0.5600, 0.2887

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.



17.0247, 0.4396, 0.3048



17.0247, 0.2522, 0.4257



17.0247, 0.2796, 0.2190

Square

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



17.0247, 0.2522, 0.4257



17.0247, 0.1799, 0.2178



17.0247, 0.3632, 0.2541



17.0247, 0.4593, 0.4226

Rectangle

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



17.0247, 0.2522, 0.4257



17.0247, 0.1777, 0.2827



17.0247, 0.3632, 0.2541



17.0247, 0.4693, 0.3434

Sweetspot

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



17.0254, 0.2522, 0.4257



35.5481, 0.2825, 0.3530



16.7652, 0.3183, 0.5830



8.1612, 0.2791, 0.3565



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.



17.0254, 0.2522, 0.4257



30.3962, 0.2530, 0.4308



12.2863, 0.2096, 0.2725



5.2554, 0.3030, 0.3357



16.7240, 0.2523, 0.4282



0.0592, 0.2381, 0.3773

Inverse Universe

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



5.0583, 0.5600, 0.2887



8.8895, 0.5732, 0.2931



5.5925, 0.6098, 0.3495



4.7104, 0.3235, 0.3224



4.9004, 0.5673, 0.2899



0.0182, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 17.0247, 0.2522, 0.4257 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 17.0247, 0.2522, 0.4257 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 17.0247, 0.2522, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 17.0247, 0.2522, 0.4257.



This preview shows how white text looks on a background with the Yxy color 17.0247, 0.2522, 0.4257.

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

17.0247, 0.2522, 0.4257

Protanopia

16.8857, 0.3630, 0.3883

Deuteranopia

16.8402, 0.3592, 0.3538



Tritanopia

16.9803, 0.2301, 0.3049

Trichromacy



Original Color

17.0247, 0.2522, 0.4257

Protanomaly

15.7833, 0.2998, 0.4058

Deuteranomaly

15.6679, 0.2970, 0.3814

Tritanomaly

16.7960, 0.2359, 0.3450

Monochromacy



Original Color

17.0247, 0.2522, 0.4257

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.4918, 0.2709, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0247, 0.2522, 0.4257 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(3, 131, 92)` looks like.

```
.text, #text, p{  
    color:rgb(3, 131, 92)  
}
```

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(3, 131, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 131, 92) }
```

Border

The CSS property to change the border of an element to Yxy 17.0247, 0.2522, 0.4257 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(3, 131, 92) }
```

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

```
.border{ border-color:rgb(3, 131, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 131, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 131, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 131, 92);  
box-shadow:4px 4px 4px 4px rgb(3, 131, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0247, 0.2522, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 131, 92) }
```

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

```
.background{ background-color: rgb(3, 131,  
92) }
```

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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