

Converting Colors

$Yxy(16.5748, 0.2224, 0.4035)$

Have a look what the booklet for
Yxy(16.5748, 0.2224, 0.4035)
contains.

Yxy(17.1919, 0.2443, 0.3994)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.1919, 0.2443, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	008366
RGB	0, 131, 102
RGB Percent	0%, 51%, 40%
CMY	0.9996, 0.4863, 0.6000
CMYK	1.00, 0.00, 0.22, 0.49
HSL	167°, 100%, 26%
HSV	167°, 100%, 51%
XYZ	10.5157, 17.1919, 15.3367
YIQ	88.5250, -68.7670, -36.7910

Conversions

Conversions Part 2

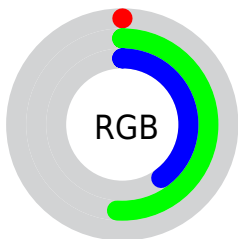
Format	Color
RYB	0, 74, 131
Decimal	33638
CIELab	48.50, -37.99, 7.15
CIELCh	49, 38.655, 169.344
Yxy	17.1919, 0.2443, 0.3994
Android (android.graphics.Color)	4278223718 (0xFF008366)
YUV	88.5250, 6.6432, -77.6364
Hunter-Lab	41.4631, -27.2899, 7.0935

Details

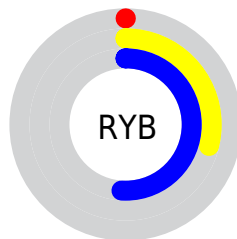
The Yxy color **17.1919, 0.2443, 0.3994** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.9165, 0.5948, 0.3051**, and the grayscale version is **9.8832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7033, 0.2606, 0.3820**, and **6.0132, 0.2513, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **17.1915, 0.2443, 0.3995**, and if you desaturate by 10%, it is **17.3376, 0.2446, 0.3915**.

Distribution



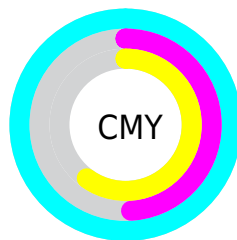
- Red (0%)
- Green (51%)
- Blue (40%)



- Red (0%)
- Yellow (29%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1919, 0.2443, 0.3994 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 17.1919, 0.2443, 0.3994 by changing the saturation by 10% instead.


 17.1919, 0.2443,
0.3994


 17.1919, 0.2443,
0.3994


236.2758, 0.2846,
0.3571


 10.3714, 0.2315,
0.4134


 38.6554, 0.2608,
0.3818


 5.6459, 0.2129,
0.4344

 54.0672, 0.2664,
0.3759

 2.6310, 0.1838,
0.4686

 73.1116, 0.2709,
0.3712

 0.9423, 0.0000,
0.6422

 96.1730, 0.2746,
0.3673

 0.0000, 0.0000,
0.0000

 123.6357, 0.2777,
0.3641

 155.8841, 0.2803,

0.3614

193.3027, 0.2826,
0.3591

■ 17.1919, 0.2443,
0.3994

■ 17.1919, 0.2443,
0.3994

■ 17.1915, 0.2443,
0.3995

■ 17.3376, 0.2446,
0.3915

■ 17.5347, 0.2461,
0.3836

■ 17.8130, 0.2494,
0.3758

■ 18.1819, 0.2545,
0.3680

■ 18.6498, 0.2613,
0.3605

■ 19.2237, 0.2696,
0.3533

■ 19.9104, 0.2792,
0.3465

■ 20.7158, 0.2897,
0.3401

■ 21.6455, 0.3010,
0.3343

Harmonies

Analogous

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



17.1919, 0.3115, 0.4578



17.1919, 0.2443, 0.3994



17.1919, 0.1989, 0.3192

Triad

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



17.1919, 0.2443, 0.3994



17.1919, 0.2346, 0.2156



17.1919, 0.4622, 0.3749

Complementary

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



17.1919, 0.2443, 0.3994



4.9165, 0.5948, 0.3051

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.



17.1919, 0.4395, 0.3195



17.1919, 0.2443, 0.3994



17.1919, 0.2991, 0.2329

Square

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



17.1919, 0.2443, 0.3994



17.1919, 0.1950, 0.2218



17.1919, 0.3764, 0.2697



17.1919, 0.4390, 0.4280

Rectangle

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



17.1919, 0.2443, 0.3994



17.1919, 0.1849, 0.2736



17.1919, 0.3764, 0.2697



17.1919, 0.4600, 0.3562

Sweetspot

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



17.1926, 0.2443, 0.3994



35.5539, 0.2784, 0.3470



16.5184, 0.3105, 0.5916



8.1700, 0.2748, 0.3494



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.



17.1926, 0.2443, 0.3994



30.7630, 0.2448, 0.4012



10.0220, 0.2008, 0.2428



5.2617, 0.3019, 0.3339



16.9230, 0.2443, 0.3994



0.0597, 0.2340, 0.3624

Inverse Universe

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



4.9165, 0.5948, 0.3051



8.7800, 0.6003, 0.3080



6.0279, 0.5990, 0.3625



4.7044, 0.3247, 0.3242



4.8375, 0.5949, 0.3051



0.0177, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 17.1919, 0.2443, 0.3994 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 17.1919, 0.2443, 0.3994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

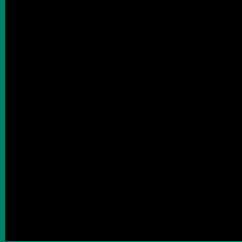
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.1919, 0.2443, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 17.1919, 0.2443, 0.3994.



This preview shows how white text looks on a background with the Yxy color 17.1919, 0.2443, 0.3994.

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

17.1919, 0.2443, 0.3994

Protanopia

17.1346, 0.3469, 0.3707

Deuteranopia

17.0766, 0.3438, 0.3386



Tritanopia

17.1993, 0.2286, 0.3050

Trichromacy



Original Color

17.1919, 0.2443, 0.3994

Protanomaly

16.1156, 0.2873, 0.3841

Deuteranomaly

15.7706, 0.2841, 0.3582

Tritanomaly

17.1132, 0.2327, 0.3379

Monochromacy



Original Color

17.1919, 0.2443, 0.3994

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.5786, 0.2655, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1919, 0.2443, 0.3994 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 102) }
```

Border

The CSS property to change the border of an element to Yxy 17.1919, 0.2443, 0.3994 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, 102) }
```

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

```
.border{ border-color:rgb(0, 131, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1919, 0.2443, 0.3994 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, 102) }
```

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

```
.background{ background-color: rgb(0, 131,  
102) }
```

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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