

Converting Colors

$Yxy(16.9878, 0.2592, 0.4329)$

Have a look what the booklet for
Yxy(16.9878, 0.2592, 0.4329)
contains.

Yxy(17.1078, 0.2597, 0.4352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.1078, 0.2597, 0.4352)

Conversions

Conversions Part 1

Format	Color
Hex	168358
RGB	22, 131, 88
RGB Percent	9%, 51%, 35%
CMY	0.9135, 0.4863, 0.6550
CMYK	0.83, 0.00, 0.33, 0.49
HSL	156°, 71%, 30%
HSV	156°, 83%, 51%
XYZ	10.2089, 17.1078, 11.9935
YIQ	93.5070, -51.1610, -36.4810

Conversions

Conversions Part 2

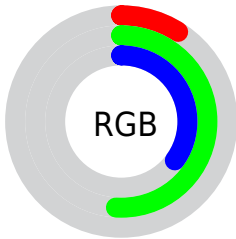
Format	Color
RYB	22, 90, 131
Decimal	1475416
CIELab	48.40, -39.89, 15.15
CIELCh	48, 42.674, 159.199
Yxy	17.1078, 0.2597, 0.4352
Android (android.graphics.Color)	4279665496 (0xFF168358)
YUV	93.5070, -2.7150, -62.7116
Hunter-Lab	41.3616, -28.3254, 11.7609

Details

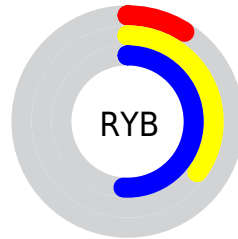
The Yxy color **17.1078, 0.2597, 0.4352** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.7833, 0.4830, 0.2634**, and the grayscale version is **11.0898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5591, 0.2736, 0.4078**, and **5.9045, 0.2662, 0.4782** is the 20% darker color. If you saturate the color by 10%, you get **16.9124, 0.2602, 0.4499**, and if you desaturate by 10%, it is **17.3860, 0.2610, 0.4203**.

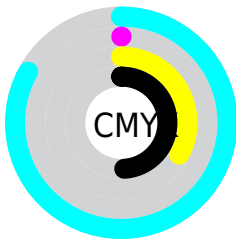
Distribution



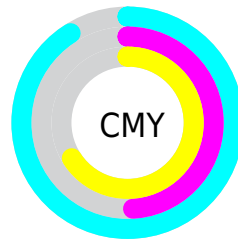
- Red (9%)
- Green (51%)
- Blue (35%)



- Red (9%)
- Yellow (35%)
- Blue (51%)



- Cyan (83%)
- Magenta (0%)
- Yellow (33%)
- Black (49%)





- Cyan (91%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1078, 0.2597, 0.4352 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 17.1078, 0.2597, 0.4352 by changing the saturation by 10% instead.


 17.1078, 0.2597,
0.4352


 17.1078, 0.2597,
0.4352


235.7928, 0.2921,
0.3700


 10.3114, 0.2486,
0.4577


 38.5110, 0.2734,
0.4076

 5.6059, 0.2318,
0.4919

 53.8866, 0.2779,
0.3985

 2.6070, 0.2039,
0.5493

 72.8907, 0.2815,
0.3913

 0.9302, 0.0000,
1.0000

 95.9078, 0.2844,
0.3854

 0.0000, 0.0000,
0.0000

 123.3221, 0.2868,
0.3806

 155.5181, 0.2889,

0.3765

192.8802, 0.2906,
0.3730

■ 17.1078, 0.2597,
0.4352

■ 17.1078, 0.2597,
0.4352

■ 16.9124, 0.2602,
0.4499

■ 17.3860, 0.2610,
0.4203

■ 16.8017, 0.2611,
0.4599

■ 17.7555, 0.2642,
0.4056

■ 18.2255, 0.2691,
0.3912

■ 18.8038, 0.2754,
0.3776

■ 19.4970, 0.2829,
0.3647

■ 20.3117, 0.2913,
0.3527

■ 21.2535, 0.3003,
0.3418

■ 22.3279, 0.3097,
0.3319

■ 23.5400, 0.3192,
0.3230

Harmonies

Analogous

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



17.1078, 0.3369, 0.4816



17.1078, 0.2597, 0.4352



17.1078, 0.2013, 0.3470

Triad

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



17.1078, 0.2597, 0.4352



17.1078, 0.2095, 0.2049



17.1078, 0.4750, 0.3565

Complementary

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



17.1078, 0.2597, 0.4352



5.7833, 0.4830, 0.2634

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.



17.1078, 0.4332, 0.2983



17.1078, 0.2597, 0.4352



17.1078, 0.2708, 0.2157

Square

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



17.1078, 0.2597, 0.4352



17.1078, 0.1770, 0.2204



17.1078, 0.3537, 0.2487



17.1078, 0.4643, 0.4165

Rectangle

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



17.1078, 0.2597, 0.4352



17.1078, 0.1793, 0.2907



17.1078, 0.3537, 0.2487



17.1078, 0.4668, 0.3366

Sweetspot

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



17.1085, 0.2597, 0.4352



36.0017, 0.2892, 0.3555



17.4365, 0.3329, 0.5536



8.2780, 0.2867, 0.3591



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.



17.1085, 0.2597, 0.4352



30.0565, 0.2620, 0.4631



15.2683, 0.2220, 0.3038



5.2486, 0.3041, 0.3377



16.5388, 0.2611, 0.4598



0.0587, 0.2431, 0.3952

Inverse Universe

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



5.7833, 0.4830, 0.2634



9.0517, 0.5385, 0.2740



5.9680, 0.5775, 0.3430



4.7169, 0.3222, 0.3205



4.9918, 0.5328, 0.2709



0.0187, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 17.1078, 0.2597, 0.4352 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 17.1078, 0.2597, 0.4352 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 17.1078, 0.2597, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 17.1078, 0.2597, 0.4352.



This preview shows how white text looks on a background with the Yxy color 17.1078, 0.2597, 0.4352.

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

17.1078, 0.2597, 0.4352

Protanopia

16.8397, 0.3668, 0.3942

Deuteranopia

16.9287, 0.3675, 0.3612



Tritanopia

17.0695, 0.2334, 0.3071

Trichromacy



Original Color

17.1078, 0.2597, 0.4352

Protanomaly

16.0515, 0.3112, 0.4110

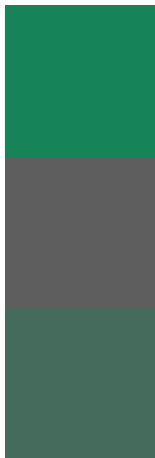
Deuteranomaly

16.0394, 0.3124, 0.3890

Tritanomaly

16.9181, 0.2416, 0.3495

Monochromacy



Original Color

17.1078, 0.2597, 0.4352

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.5170, 0.2805, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1078, 0.2597, 0.4352 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(22, 131, 88)` looks like.

```
.text, #text, p{  
    color:rgb(22, 131, 88)  
}
```

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(22, 131, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 131, 88) }
```

Border

The CSS property to change the border of an element to Yxy 17.1078, 0.2597, 0.4352 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(22, 131, 88) }
```

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

```
.border{ border-color:rgb(22, 131, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 131, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 131, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 131, 88);  
box-shadow:4px 4px 4px 4px rgb(22, 131,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1078, 0.2597, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 131, 88) }
```

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

```
.background{ background-color: rgb(22, 131,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor