

Converting Colors

$Y_{xy}(17.4869, 0.2514, 0.3893)$

Have a look what the booklet for
Yxy(17.4869, 0.2514, 0.3893)
contains.

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Color

Yxy(17.6098, 0.2517, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	238369
RGB	35, 131, 105
RGB Percent	14%, 51%, 41%
CMY	0.8626, 0.4863, 0.5883
CMYK	0.73, 0.00, 0.20, 0.49
HSL	164°, 58%, 33%
HSV	164°, 73%, 51%
XYZ	11.3593, 17.6098, 16.1611
YIQ	99.3320, -48.8700, -28.4380

Conversions

Conversions Part 2

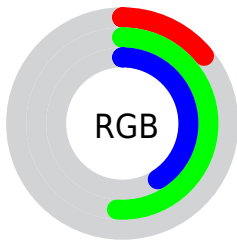
Format	Color
R_{YB}	35, 91, 131
Decimal	2327401
CIE _{Lab}	49.02, -33.97, 6.21
CIE _{LCh}	49, 34.532, 169.641
Yxy	17.6098, 0.2517, 0.3902
Android (android.graphics.Color)	4280517481 (0xFF238369)
YUV	99.3320, 2.7943, -56.4192
Hunter-Lab	41.9640, -25.1188, 6.5412

Details

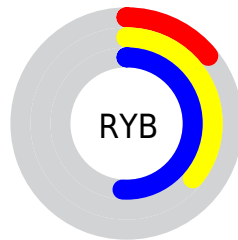
The Yxy color **17.6098, 0.2517, 0.3902** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.3666, 0.4856, 0.2861**, and the grayscale version is **12.5696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4779, 0.2662, 0.3758**, and **6.1903, 0.2488, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **17.3509, 0.2494, 0.4001**, and if you desaturate by 10%, it is **17.9587, 0.2559, 0.3805**.

Distribution



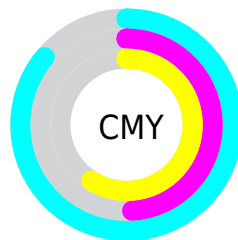
- Red (14%)
- Green (51%)
- Blue (41%)



- Red (14%)
- Yellow (36%)
- Blue (51%)



- Cyan (73%)
- Magenta (0%)
- Yellow (20%)
- Black (49%)





- Cyan (86%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6098, 0.2517, 0.3902 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 17.6098, 0.2517, 0.3902 by changing the saturation by 10% instead.


 17.6098, 0.2517,
0.3902


 17.6098, 0.2517,
0.3902


238.6624, 0.2875,
0.3537


 10.6702, 0.2404,
0.4022


 39.3713, 0.2663,
0.3751


 5.8455, 0.2241,
0.4199

 54.9620, 0.2712,
0.3700


 2.7514, 0.1985,
0.4487

 74.2052, 0.2752,
0.3659

 1.0034, 0.0674,
0.5649

 97.4853, 0.2785,
0.3626

 0.0000, 0.0000,
0.0000

 125.1866, 0.2813,
0.3598

 157.6937, 0.2837,

0.3575

195.3908, 0.2857,
0.3554

■ 17.6098, 0.2517,
0.3902

■ 17.6098, 0.2517,
0.3902

■ 17.3509, 0.2494,
0.4001

■ 17.9587, 0.2559,
0.3805

■ 17.1696, 0.2489,
0.4099

■ 18.4042, 0.2617,
0.3710

■ 17.0682, 0.2491,
0.4166

■ 18.9546, 0.2691,
0.3619

■ 19.6165, 0.2778,
0.3533

■ 20.3962, 0.2876,
0.3452

■ 21.2996, 0.2981,
0.3378

■ 22.3318, 0.3091,
0.3311

■ 23.4981, 0.3203,
0.3250

■ 24.8031, 0.3317,
0.3195

Harmonies

Analogous

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



17.6098, 0.3121, 0.4414



17.6098, 0.2517, 0.3902



17.6098, 0.2104, 0.3205

Triad

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



17.6098, 0.2517, 0.3902



17.6098, 0.2433, 0.2267



17.6098, 0.4457, 0.3725

Complementary

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



17.6098, 0.2517, 0.3902



6.3666, 0.4856, 0.2861

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.



17.6098, 0.4254, 0.3220



17.6098, 0.2517, 0.3902



17.6098, 0.3017, 0.2425

Square

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



17.6098, 0.2517, 0.3902



17.6098, 0.2068, 0.2327



17.6098, 0.3701, 0.2763



17.6098, 0.4258, 0.4195

Rectangle

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



17.6098, 0.2517, 0.3902



17.6098, 0.1974, 0.2801



17.6098, 0.3701, 0.2763



17.6098, 0.4436, 0.3556

Sweetspot

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



17.6105, 0.2517, 0.3902



36.6384, 0.2883, 0.3446



17.3858, 0.3236, 0.5398



8.4511, 0.2860, 0.3464



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.



17.6105, 0.2517, 0.3902



30.8375, 0.2489, 0.4067



13.1933, 0.2208, 0.2804



5.2579, 0.3025, 0.3350



16.8011, 0.2490, 0.4165



0.0594, 0.2364, 0.3711

Inverse Universe

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



6.3666, 0.4856, 0.2861



9.4990, 0.5463, 0.2904



7.7582, 0.5189, 0.3636



4.7079, 0.3240, 0.3231



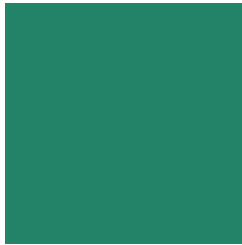
4.8726, 0.5791, 0.2964



0.0180, 0.4754, 0.2392

Previews

White Background



This preview shows how the Yxy color 17.6098, 0.2517, 0.3902 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 17.6098, 0.2517, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

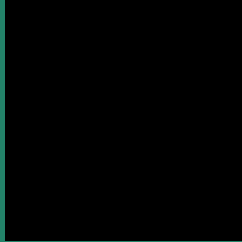
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6098, 0.2517, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 17.6098, 0.2517, 0.3902.



This preview shows how white text looks on a background with the Yxy color 17.6098, 0.2517, 0.3902.

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

17.6098, 0.2517, 0.3902

Protanopia

17.4914, 0.3441, 0.3664

Deuteranopia

17.3596, 0.3395, 0.3348



Tritanopia

17.6887, 0.2341, 0.3075

Trichromacy



Original Color

17.6098, 0.2517, 0.3902

Protanomaly

16.7685, 0.2987, 0.3750

Deuteranomaly

16.7093, 0.2958, 0.3525

Tritanomaly

17.4769, 0.2400, 0.3355

Monochromacy



Original Color

17.6098, 0.2517, 0.3902

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.8450, 0.2805, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6098, 0.2517, 0.3902 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(35, 131, 105)` looks like.

```
.text, #text, p{  
    color:rgb(35, 131, 105)  
}
```

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(35, 131, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 131, 105) }
```

Border

The CSS property to change the border of an element to Yxy 17.6098, 0.2517, 0.3902 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(35, 131, 105) }
```

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

```
.border{ border-color:rgb(35, 131, 105) }
```

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

Here you see how a box with a 4 pixel rgb(35, 131, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 131, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 131, 105);  
box-shadow:4px 4px 4px 4px rgb(35, 131,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6098, 0.2517, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 131, 105) }
```

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

```
.background{ background-color: rgb(35, 131,  
105) }
```

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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