

Converting Colors

$Y_{xy}(15.0933, 0.2487, 0.3918)$

Have a look what the booklet for
Yxy(15.0933, 0.2487, 0.3918)
contains.

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Color

Yxy(14.9951, 0.2479, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	187A62
RGB	24, 122, 98
RGB Percent	9%, 48%, 38%
CMY	0.9062, 0.5215, 0.6157
CMYK	0.80, 0.00, 0.20, 0.52
HSL	165°, 67%, 29%
HSV	165°, 80%, 48%
XYZ	9.5388, 14.9951, 13.9446
YIQ	89.9620, -50.7040, -28.2400

Conversions

Conversions Part 2

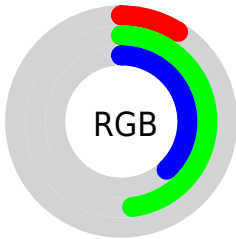
Format	Color
R_{YB}	24, 80, 122
Decimal	1604194
CIE _{Lab}	45.63, -33.28, 5.44
CIE _{LCh}	46, 33.721, 170.712
Yxy	14.9951, 0.2479, 0.3897
Android (android.graphics.Color)	4279794274 (0xFF187A62)
YUV	89.9620, 3.9627, -57.8487
Hunter-Lab	38.7235, -23.7959, 5.7557

Details

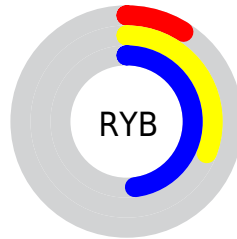
The Yxy color **14.9951, 0.2479, 0.3897** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.0005, 0.5174, 0.2912**, and the grayscale version is **10.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8083, 0.2637, 0.3733**, and **4.8827, 0.2477, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **14.8233, 0.2466, 0.3984**, and if you desaturate by 10%, it is **15.2371, 0.2510, 0.3810**.

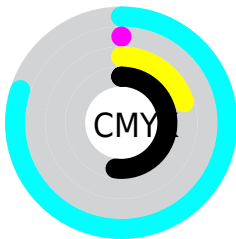
Distribution



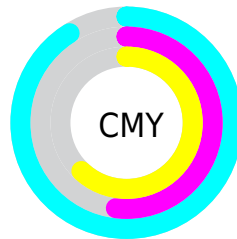
- Red (9%)
- Green (48%)
- Blue (38%)



- Red (9%)
- Yellow (31%)
- Blue (48%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (52%)





- Cyan (91%)
- Magenta (52%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9951, 0.2479, 0.3897 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 14.9951, 0.2479, 0.3897 by changing the saturation by 10% instead.


 14.9951, 0.2479,
0.3897


 14.9951, 0.2479,
0.3897


223.3366, 0.2866,
0.3528


 8.8159, 0.2352,
0.4023


 34.8446, 0.2639,
0.3741


 4.6213, 0.2164,
0.4214

 49.2837, 0.2693,
0.3690


 2.0268, 0.1862,
0.4536

 67.2449, 0.2736,
0.3649

 0.6230, 0.0000,
0.6765

 89.1127, 0.2772,
0.3616

 0.0000, 0.0000,
0.0000

 115.2713, 0.2801,
0.3588

 146.1052, 0.2826,

0.3565

181.9989, 0.2848,
0.3545

■ 14.9951, 0.2479,
0.3897

■ 14.9951, 0.2479,
0.3897

■ 14.8233, 0.2466,
0.3984

■ 15.2371, 0.2510,
0.3810

■ 14.6960, 0.2464,
0.4069

■ 15.5557, 0.2559,
0.3724

■ 15.9582, 0.2625,
0.3640

■ 16.4507, 0.2705,
0.3561

■ 17.0388, 0.2798,
0.3486

■ 17.7276, 0.2900,
0.3416

■ 18.5217, 0.3009,
0.3351

■ 19.4257, 0.3123,
0.3292

■ 20.4435, 0.3239,
0.3239

Harmonies

Analogous

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



14.9951, 0.3094, 0.4440



14.9951, 0.2479, 0.3897



14.9951, 0.2066, 0.3176

Triad

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



14.9951, 0.2479, 0.3897



14.9951, 0.2432, 0.2243



14.9951, 0.4496, 0.3751

Complementary

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



14.9951, 0.2479, 0.3897



5.0005, 0.5174, 0.2912

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.



14.9951, 0.4303, 0.3233



14.9951, 0.2479, 0.3897



14.9951, 0.3037, 0.2413

Square

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



14.9951, 0.2479, 0.3897



14.9951, 0.2049, 0.2294



14.9951, 0.3742, 0.2763



14.9951, 0.4275, 0.4232

Rectangle

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



14.9951, 0.2479, 0.3897



14.9951, 0.1940, 0.2765



14.9951, 0.3742, 0.2763



14.9951, 0.4480, 0.3578

Sweetspot

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



14.9957, 0.2479, 0.3897



30.6560, 0.2856, 0.3444



14.6255, 0.3189, 0.5576



6.9304, 0.2827, 0.3464



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.9957, 0.2479, 0.3897



25.9077, 0.2467, 0.4053



10.2374, 0.2137, 0.2666



4.4965, 0.3024, 0.3343



15.4692, 0.2464, 0.4071



73.6498, 0.2477, 0.4116

Inverse Universe

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



5.0005, 0.5174, 0.2912



7.5945, 0.5794, 0.3007



6.3534, 0.5382, 0.3690



4.0297, 0.3242, 0.3238



4.4530, 0.5867, 0.3006



21.1252, 0.5990, 0.3073

Previews

White Background



This preview shows how the Yxy color 14.9951, 0.2479, 0.3897 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 14.9951, 0.2479, 0.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

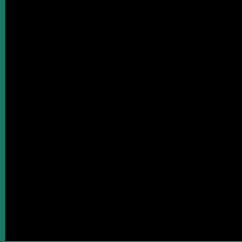
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9951, 0.2479, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 14.9951, 0.2479, 0.3897.



This preview shows how white text looks on a background with the Yxy color 14.9951, 0.2479, 0.3897.

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

14.9951, 0.2479, 0.3897

Protanopia

14.7643, 0.3438, 0.3648

Deuteranopia

14.8530, 0.3385, 0.3331



Tritanopia

15.0290, 0.2315, 0.3059

Trichromacy



Original Color

14.9951, 0.2479, 0.3897

Protanomaly

14.1280, 0.2954, 0.3739

Deuteranomaly

14.2398, 0.2912, 0.3520

Tritanomaly

14.8531, 0.2366, 0.3336

Monochromacy



Original Color

14.9951, 0.2479, 0.3897

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.4513, 0.2760, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9951, 0.2479, 0.3897 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(24, 122, 98)` looks like.

```
.text, #text, p{  
    color:rgb(24, 122, 98)  
}
```

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(24, 122, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 122, 98) }
```

Border

The CSS property to change the border of an element to Yxy 14.9951, 0.2479, 0.3897 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(24, 122, 98) }
```

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

```
.border{ border-color:rgb(24, 122, 98) }
```

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

Here you see how a box with a 4 pixel rgb(24, 122, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 122, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 122, 98);  
box-shadow:4px 4px 4px 4px rgb(24, 122,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9951, 0.2479, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 122, 98) }
```

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

```
.background{ background-color: rgb(24, 122,  
98) }
```

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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