

Converting Colors

$Y_{xy}(18.1013, 0.2499, 0.3771)$

Have a look what the booklet for
Yxy(18.1013, 0.2499, 0.3771)
contains.

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Color

$\text{Yxy}(18.1013, 0.2499, 0.3771)$

Conversions

Conversions Part 1

Format	Color
Hex	28846F
RGB	40, 132, 111
RGB Percent	16%, 52%, 44%
CMY	0.8432, 0.4823, 0.5646
CMYK	0.70, 0.00, 0.16, 0.48
HSL	166°, 54%, 34%
HSV	166°, 70%, 52%
XYZ	11.9955, 18.1013, 17.9045
YIQ	102.0980, -48.0910, -26.0350

Conversions

Conversions Part 2

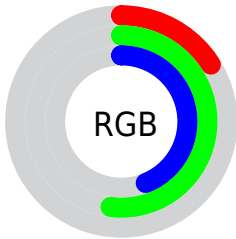
Format	Color
R_{YB}	40, 92, 132
Decimal	2655343
CIE _{Lab}	49.62, -32.04, 3.56
CIE _{LCh}	50, 32.235, 173.652
Yxy	18.1013, 0.2499, 0.3771
Android (android.graphics.Color)	4280845423 (0xFF28846F)
YUV	102.0980, 4.3887, -54.4599
Hunter-Lab	42.5456, -24.1276, 4.8309

Details

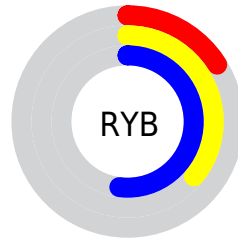
The Yxy color **18.1013, 0.2499, 0.3771** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.7587, 0.4832, 0.2938**, and the grayscale version is **13.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3588, 0.2644, 0.3653**, and **6.3935, 0.2441, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **17.8161, 0.2466, 0.3852**, and if you desaturate by 10%, it is **18.4805, 0.2550, 0.3691**.

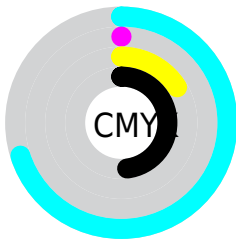
Distribution



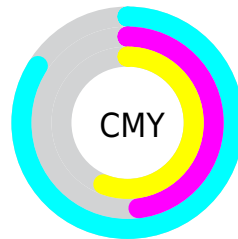
- Red (16%)
- Green (52%)
- Blue (44%)



- Red (16%)
- Yellow (36%)
- Blue (52%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (48%)





- Cyan (84%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1013, 0.2499, 0.3771 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 18.1013, 0.2499, 0.3771 by changing the saturation by 10% instead.


 18.1013, 0.2499,
0.3771

 18.1013, 0.2499,
0.3771


241.4414, 0.2863,
0.3488


 11.0227, 0.2386,
0.3861


 40.2099, 0.2646,
0.3655


 6.0821, 0.2226,
0.3992

 56.0087, 0.2696,
0.3616


 2.8951, 0.1978,
0.4200

 75.4830, 0.2737,
0.3585

 1.0772, 0.1037,
0.4858

 99.0172, 0.2771,
0.3559

 0.0000, 0.0000,
0.0000

 126.9958, 0.2799,
0.3537

 159.8031, 0.2824,

0.3518

197.8235, 0.2845,
0.3502

■ 18.1013, 0.2499,
0.3771

■ 18.1013, 0.2499,
0.3771

■ 17.8161, 0.2466,
0.3852

■ 18.4805, 0.2550,
0.3691

■ 17.6131, 0.2451,
0.3934

■ 18.9600, 0.2618,
0.3613

■ 17.4647, 0.2449,
0.4015

■ 19.5478, 0.2701,
0.3539

■ 17.4605, 0.2449,
0.4018

■ 20.2506, 0.2796,
0.3469

■ 21.0745, 0.2901,
0.3403

■ 22.0253, 0.3013,
0.3343

■ 23.1082, 0.3131,
0.3289

■ 24.3283, 0.3250,
0.3239

■ 25.6903, 0.3371,
0.3195

Harmonies

Analogous

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



18.1013, 0.3047, 0.4279



18.1013, 0.2499, 0.3771



18.1013, 0.2141, 0.3135

Triad

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



18.1013, 0.2499, 0.3771



18.1013, 0.2545, 0.2342



18.1013, 0.4356, 0.3767

Complementary

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



18.1013, 0.2499, 0.3771



6.7587, 0.4832, 0.2938

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.



18.1013, 0.4216, 0.3293



18.1013, 0.2499, 0.3771



18.1013, 0.3111, 0.2515

Square

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



18.1013, 0.2499, 0.3771



18.1013, 0.2171, 0.2372



18.1013, 0.3740, 0.2852



18.1013, 0.4133, 0.4188

Rectangle

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



18.1013, 0.2499, 0.3771



18.1013, 0.2039, 0.2778



18.1013, 0.3740, 0.2852



18.1013, 0.4352, 0.3610

Sweetspot

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



18.1020, 0.2499, 0.3771



36.8501, 0.2882, 0.3415



17.6629, 0.3198, 0.5335



8.4981, 0.2857, 0.3430



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.



18.1020, 0.2499, 0.3771



31.1452, 0.2455, 0.3903



12.7291, 0.2210, 0.2719



5.2612, 0.3020, 0.3340



16.9062, 0.2449, 0.4017



0.0597, 0.2343, 0.3635

Inverse Universe

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



6.7587, 0.4832, 0.2938



9.7674, 0.5453, 0.2963



8.7846, 0.4978, 0.3718



4.7048, 0.3246, 0.3241



4.8418, 0.5929, 0.3040



0.0177, 0.4937, 0.2493

Previews

White Background



This preview shows how the Yxy color 18.1013, 0.2499, 0.3771 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 18.1013, 0.2499, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

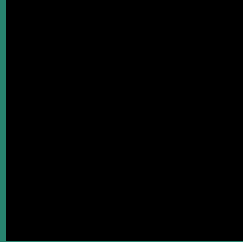
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1013, 0.2499, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 18.1013, 0.2499, 0.3771.

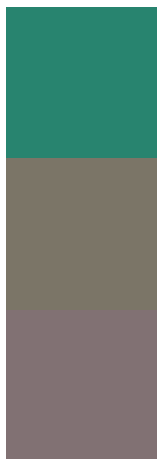


This preview shows how white text looks on a background with the Yxy color 18.1013, 0.2499, 0.3771.

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

18.1013, 0.2499, 0.3771

Protanopia

17.9128, 0.3376, 0.3562

Deuteranopia

17.7152, 0.3315, 0.3253



Tritanopia

18.0593, 0.2344, 0.3056

Trichromacy



Original Color

18.1013, 0.2499, 0.3771

Protanomaly

17.2868, 0.2957, 0.3632

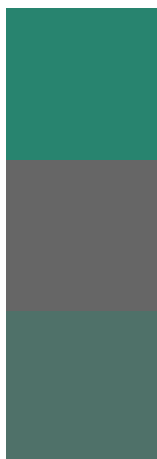
Deuteranomaly

17.1892, 0.2917, 0.3415

Tritanomaly

17.9139, 0.2392, 0.3288

Monochromacy



Original Color

18.1013, 0.2499, 0.3771

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.4924, 0.2800, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1013, 0.2499, 0.3771 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(40, 132, 111)` looks like.

```
.text, #text, p{  
    color:rgb(40, 132, 111)  
}
```

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(40, 132, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 132, 111) }
```

Border

The CSS property to change the border of an element to Yxy 18.1013, 0.2499, 0.3771 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(40, 132, 111) }
```

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

```
.border{ border-color:rgb(40, 132, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 132, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 132, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 132, 111);  
box-shadow:4px 4px 4px 4px rgb(40, 132,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1013, 0.2499, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 132, 111) }
```

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

```
.background{ background-color: rgb(40, 132,  
111) }
```

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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