

Converting Colors

$Y_{xy}(24.7091, 0.2505, 0.3882)$

Have a look what the booklet for
Yxy(24.7091, 0.2505, 0.3882)
contains.

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Color

$\text{Yxy}(24.7091, 0.2505, 0.3882)$

Conversions

Conversions Part 1

Format	Color
Hex	29997C
RGB	41, 153, 124
RGB Percent	16%, 60%, 49%
CMY	0.8391, 0.4000, 0.5137
CMYK	0.73, 0.00, 0.19, 0.40
HSL	164°, 58%, 38%
HSV	164°, 73%, 60%
XYZ	15.9444, 24.7091, 22.9969
YIQ	116.2060, -57.4430, -32.7630

Conversions

Conversions Part 2

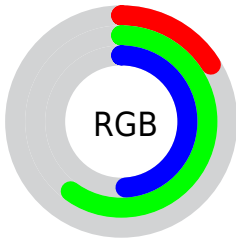
Format	Color
RYB	41, 105, 153
Decimal	2726268
CIELab	56.79, -38.00, 6.40
CIELCh	57, 38.531, 170.445
Yxy	24.7091, 0.2505, 0.3882
Android (android.graphics.Color)	4280916348 (0xFF29997C)
YUV	116.2060, 3.8424, -65.9557
Hunter-Lab	49.7082, -29.7337, 7.3660

Details

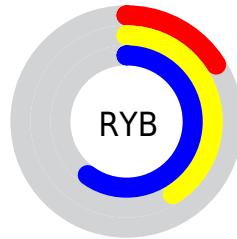
The Yxy color **24.7091, 0.2505, 0.3882** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.8031, 0.4923, 0.2882**, and the grayscale version is **17.5357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1696, 0.2637, 0.3740**, and **9.8154, 0.2470, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **24.3558, 0.2483, 0.3977**, and if you desaturate by 10%, it is **25.1906, 0.2546, 0.3788**.

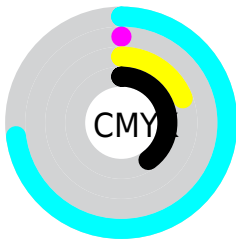
Distribution



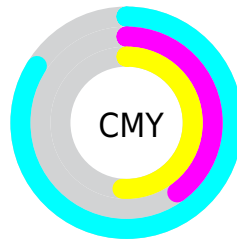
- Red (16%)
- Green (60%)
- Blue (49%)



- Red (16%)
- Yellow (41%)
- Blue (60%)



- Cyan (73%)
- Magenta (0%)
- Yellow (19%)
- Black (40%)





- Cyan (84%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7091, 0.2505, 0.3882 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 24.7091, 0.2505, 0.3882 by changing the saturation by 10% instead.


 24.7091, 0.2505,
0.3882


 24.7091, 0.2505,
0.3882


276.3861, 0.2852,
0.3546


 15.8605, 0.2405,
0.3983


 51.1849, 0.2641,
0.3748


 9.4255, 0.2266,
0.4125

 69.5809, 0.2689,
0.3702


 5.0197, 0.2064,
0.4338

 91.9280, 0.2728,
0.3664

 2.2588, 0.1743,
0.4692

 118.6108, 0.2761,
0.3632

 0.7518, 0.0000,
0.6693

 150.0136, 0.2789,
0.3605

 0.0000, 0.0000,
0.0000

 186.5209, 0.2813,

0.3583

228.5169, 0.2833,
0.3563

■ 24.7091, 0.2505,
0.3882

■ 24.7091, 0.2505,
0.3882

■ 24.3558, 0.2483,
0.3977

■ 25.1906, 0.2546,
0.3788

■ 24.1128, 0.2479,
0.4072

■ 25.8103, 0.2606,
0.3696

■ 23.9834, 0.2482,
0.4137

■ 26.5801, 0.2681,
0.3608

■ 27.5102, 0.2770,
0.3525

■ 28.6096, 0.2870,
0.3447

■ 29.8868, 0.2977,
0.3375

■ 31.3495, 0.3090,
0.3309

■ 33.0053, 0.3207,
0.3250

■ 34.8611, 0.3324,
0.3198

Harmonies

Analogous

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



24.7091, 0.3104, 0.4401



24.7091, 0.2505, 0.3882



24.7091, 0.2100, 0.3188

Triad

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



24.7091, 0.2505, 0.3882



24.7091, 0.2449, 0.2271



24.7091, 0.4453, 0.3738

Complementary

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



24.7091, 0.2505, 0.3882



8.8031, 0.4923, 0.2882

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.



24.7091, 0.4261, 0.3234



24.7091, 0.2505, 0.3882



24.7091, 0.3036, 0.2435

Square

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



24.7091, 0.2505, 0.3882



24.7091, 0.2078, 0.2325



24.7091, 0.3717, 0.2775



24.7091, 0.4245, 0.4204

Rectangle

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



24.7091, 0.2505, 0.3882



24.7091, 0.1975, 0.2789



24.7091, 0.3717, 0.2775



24.7091, 0.4435, 0.3569

Sweetspot

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



24.7101, 0.2505, 0.3882



51.3956, 0.2877, 0.3441



24.2786, 0.3218, 0.5433



11.2349, 0.2852, 0.3459



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.7101, 0.2505, 0.3882



43.3120, 0.2478, 0.4039



17.9184, 0.2190, 0.2757



6.9992, 0.3022, 0.3348



19.8272, 0.2481, 0.4130



0.3022, 0.2364, 0.3712

Inverse Universe

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



8.8031, 0.4923, 0.2882



13.2085, 0.5535, 0.2933



10.9658, 0.5199, 0.3665



6.2476, 0.3245, 0.3233



5.7266, 0.5848, 0.2995



0.0909, 0.4821, 0.2430

Previews

White Background



This preview shows how the Yxy color 24.7091, 0.2505, 0.3882 looks on a white 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

Black Background



This preview shows how the Yxy color 24.7091, 0.2505, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

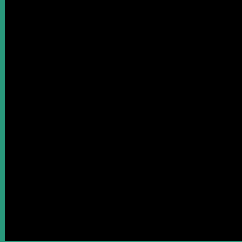
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7091, 0.2505, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 24.7091, 0.2505, 0.3882.

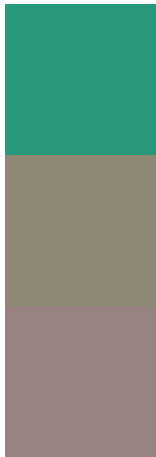


This preview shows how white text looks on a background with the Yxy color 24.7091, 0.2505, 0.3882.

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

24.7091, 0.2505, 0.3882

Protanopia

24.3165, 0.3423, 0.3633

Deuteranopia

24.3969, 0.3384, 0.3324



Tritanopia

24.6477, 0.2330, 0.3065

Trichromacy



Original Color

24.7091, 0.2505, 0.3882



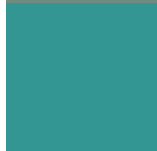
Protanomaly

23.6573, 0.2972, 0.3747



Deuteranomaly

23.3771, 0.2948, 0.3513



Tritanomaly

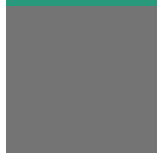
24.6493, 0.2387, 0.3346

Monochromacy



Original Color

24.7091, 0.2505, 0.3882



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.1563, 0.2792, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7091, 0.2505, 0.3882 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(41, 153, 124)` looks like.

```
.text, #text, p{  
    color:rgb(41, 153, 124)  
}
```

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(41, 153, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 153, 124) }
```

Border

The CSS property to change the border of an element to Yxy 24.7091, 0.2505, 0.3882 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(41, 153, 124) }
```

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

```
.border{ border-color:rgb(41, 153, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 153, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 153, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 153, 124);  
box-shadow:4px 4px 4px 4px rgb(41, 153,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7091, 0.2505, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 153, 124) }
```

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

```
.background{ background-color: rgb(41, 153,  
124) }
```

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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