

Converting Colors

$Yxy(24.9238, 0.2403, 0.3489)$

Have a look what the booklet for
Yxy(24.9238, 0.2403, 0.3489)
contains.

Yxy(24.9903, 0.2403, 0.3484)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.9903, 0.2403, 0.3484)$

Conversions

Conversions Part 1

Format	Color
Hex	2E988E
RGB	46, 152, 142
RGB Percent	18%, 60%, 56%
CMY	0.8196, 0.4039, 0.4432
CMYK	0.70, 0.00, 0.07, 0.40
HSL	174°, 54%, 39%
HSV	174°, 70%, 60%
XYZ	17.2364, 24.9903, 29.5020
YIQ	119.1660, -59.9660, -25.5820

Conversions

Conversions Part 2

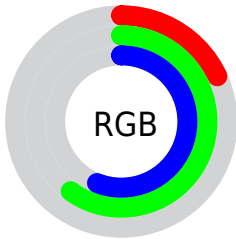
Format	Color
R_{YB}	46, 102, 152
Decimal	3053710
CIE _{Lab}	57.07, -31.93, -3.44
CIE _{LCh}	57, 32.112, 186.153
Yxy	24.9903, 0.2403, 0.3484
Android (android.graphics.Color)	4281243790 (0xFF2E988E)
YUV	119.1660, 11.2572, -64.1666
Hunter-Lab	49.9903, -25.9371, 0.0029

Details

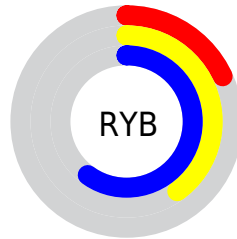
The Yxy color **24.9903, 0.2403, 0.3484** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.9150, 0.5183, 0.3156**, and the grayscale version is **18.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7370, 0.2551, 0.3443**, and **9.8870, 0.2312, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **24.6558, 0.2362, 0.3516**, and if you desaturate by 10%, it is **25.4523, 0.2463, 0.3453**.

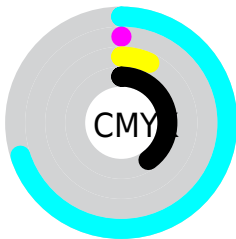
Distribution



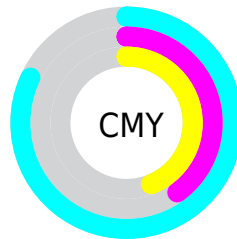
- Red (18%)
- Green (60%)
- Blue (56%)



- Red (18%)
- Yellow (40%)
- Blue (60%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (40%)




- Cyan (82%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9903, 0.2403, 0.3484 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 24.9903, 0.2403, 0.3484 by changing the saturation by 10% instead.


 24.9903, 0.2403,
0.3484


 24.9903, 0.2403,
0.3484


277.7896, 0.2797,
0.3383


 16.0698, 0.2293,
0.3510


 51.6415, 0.2554,
0.3446


 9.5736, 0.2146,
0.3544


 70.1410, 0.2609,
0.3433


 5.1172, 0.1936,
0.3588

 92.6023, 0.2653,
0.3421

 2.3162, 0.1620,
0.3647

 119.4098, 0.2691,
0.3411

 0.7822, 0.0000,
0.4160

 150.9479, 0.2723,
0.3403

 0.0000, 0.0000,
0.0000

187.6010, 0.2751,

0.3395

229.7534, 0.2775,
0.3389

■ 24.9903, 0.2403,
0.3484

■ 24.9903, 0.2403,
0.3484

■ 24.6558, 0.2362,
0.3516

■ 25.4523, 0.2463,
0.3453

■ 24.4320, 0.2338,
0.3547

■ 26.0507, 0.2540,
0.3422

■ 24.2862, 0.2328,
0.3579

■ 26.7970, 0.2635,
0.3392

■ 24.2826, 0.2328,
0.3579

■ 27.7007, 0.2743,
0.3364

■ 28.7705, 0.2864,
0.3337

■ 30.0145, 0.2994,
0.3312

■ 31.4400, 0.3131,
0.3289

■ 33.0544, 0.3272,
0.3269

■ 34.8641, 0.3414,
0.3251

Harmonies

Analogous

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



24.9903, 0.2841, 0.4009



24.9903, 0.2403, 0.3484



24.9903, 0.2165, 0.2948

Triad

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



24.9903, 0.2403, 0.3484



24.9903, 0.2802, 0.2474



24.9903, 0.4185, 0.3900

Complementary

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



24.9903, 0.2403, 0.3484



8.9150, 0.5183, 0.3156

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.



24.9903, 0.4195, 0.3481



24.9903, 0.2403, 0.3484



24.9903, 0.3354, 0.2700

Square

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



24.9903, 0.2403, 0.3484



24.9903, 0.2380, 0.2424



24.9903, 0.3881, 0.3056



24.9903, 0.3876, 0.4215

Rectangle

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



24.9903, 0.2403, 0.3484



24.9903, 0.2136, 0.2678



24.9903, 0.3881, 0.3056



24.9903, 0.4225, 0.3766

Sweetspot

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



24.9913, 0.2403, 0.3484



50.4440, 0.2843, 0.3341



23.5131, 0.3090, 0.5428



11.3534, 0.2812, 0.3348



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.



24.9913, 0.2403, 0.3484



43.2625, 0.2346, 0.3534



13.9137, 0.2126, 0.2400



7.0165, 0.3001, 0.3311



20.3617, 0.2327, 0.3577



0.3069, 0.2288, 0.3436

Inverse Universe

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



8.9150, 0.5183, 0.3156



12.9898, 0.5851, 0.3184



13.9181, 0.4811, 0.3947



6.2317, 0.3269, 0.3269



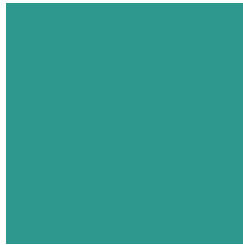
5.6269, 0.6262, 0.3223



0.0863, 0.5676, 0.2901

Previews

White Background



This preview shows how the Yxy color 24.9903, 0.2403, 0.3484 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 24.9903, 0.2403, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

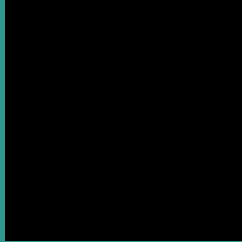
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9903, 0.2403, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 24.9903, 0.2403, 0.3484.

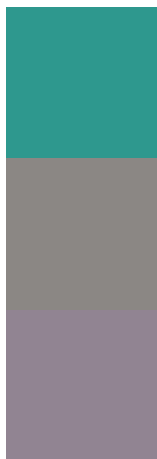


This preview shows how white text looks on a background with the Yxy color 24.9903, 0.2403, 0.3484.

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

24.9903, 0.2403, 0.3484

Protanopia

24.4829, 0.3204, 0.3341

Deuteranopia

24.5976, 0.3127, 0.3062



Tritanopia

24.9089, 0.2315, 0.3066

Trichromacy



Original Color

24.9903, 0.2403, 0.3484

Protanomaly

23.8306, 0.2809, 0.3381

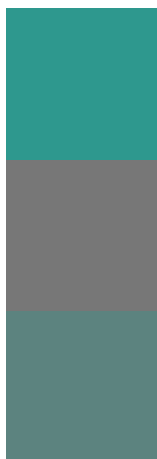
Deuteranomaly

23.7608, 0.2765, 0.3181

Tritanomaly

24.8759, 0.2344, 0.3212

Monochromacy



Original Color

24.9903, 0.2403, 0.3484

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.0402, 0.2750, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9903, 0.2403, 0.3484 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(46, 152, 142)` looks like.

```
.text, #text, p{  
    color:rgb(46, 152, 142)  
}
```

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(46, 152, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 152, 142) }
```

Border

The CSS property to change the border of an element to Yxy 24.9903, 0.2403, 0.3484 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(46, 152, 142) }
```

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

```
.border{ border-color:rgb(46, 152, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 152, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 152, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 152, 142);  
box-shadow:4px 4px 4px 4px rgb(46, 152,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9903, 0.2403, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 152, 142) }
```

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

```
.background{ background-color: rgb(46, 152,  
142) }
```

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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