

Converting Colors

$Y_{xy}(24.1580, 0.2463, 0.3679)$

Have a look what the booklet for
Yxy(24.1580, 0.2463, 0.3679)
contains.

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Color

Yxy(24.0093, 0.2461, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	2D9683
RGB	45, 150, 131
RGB Percent	18%, 59%, 51%
CMY	0.8238, 0.4117, 0.4863
CMYK	0.70, 0.00, 0.13, 0.41
HSL	169°, 54%, 38%
HSV	169°, 70%, 59%
XYZ	16.0824, 24.0093, 25.2575
YIQ	116.4390, -56.4810, -28.1690

Conversions

Conversions Part 2

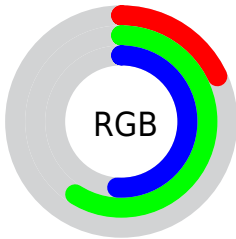
Format	Color
R_{YB}	45, 103, 150
Decimal	2987651
CIE _{Lab}	56.10, -34.21, 1.42
CIE _{LCh}	56, 34.242, 177.626
Yxy	24.0093, 0.2461, 0.3674
Android (android.graphics.Color)	4281177731 (0xFF2D9683)
YUV	116.4390, 7.1786, -62.6520
Hunter-Lab	48.9993, -27.1619, 3.7375

Details

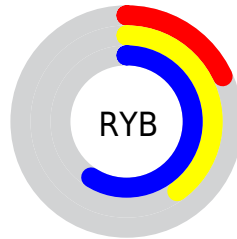
The Yxy color **24.0093, 0.2461, 0.3674** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7255, 0.4991, 0.3016**, and the grayscale version is **17.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1266, 0.2602, 0.3592**, and **9.3446, 0.2384, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **23.6563, 0.2426, 0.3738**, and if you desaturate by 10%, it is **24.4870, 0.2514, 0.3611**.

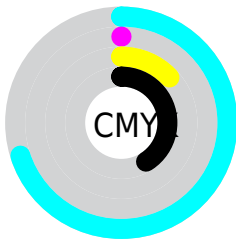
Distribution



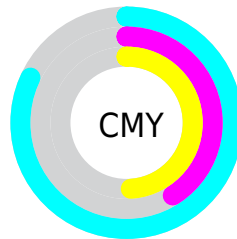
- Red (18%)
- Green (59%)
- Blue (51%)



- Red (18%)
- Yellow (40%)
- Blue (59%)



- Cyan (70%)
- Magenta (0%)
- Yellow (13%)
- Black (41%)



- Cyan (82%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0093, 0.2461, 0.3674 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 24.0093, 0.2461, 0.3674 by changing the saturation by 10% instead.


 24.0093, 0.2461,
0.3674


 24.0093, 0.2461,
0.3674


 272.8675, 0.2829,
0.3460


 15.3405, 0.2356,
0.3736


 50.0454, 0.2604,
0.3590


 9.0587, 0.2212,
0.3821


 68.1815, 0.2655,
0.3561

 4.7795, 0.2004,
0.3946

 90.2421, 0.2697,
0.3537


 2.1185, 0.1680,
0.4145

 116.6117, 0.2732,
0.3516

 0.6750, 0.0000,
0.5149

 147.6746, 0.2762,
0.3499

 0.0000, 0.0000,
0.0000

 183.8153, 0.2787,

0.3484

225.4181, 0.2810,
0.3472

■ 24.0093, 0.2461,
0.3674

■ 24.0093, 0.2461,
0.3674

■ 23.6563, 0.2426,
0.3738

■ 24.4870, 0.2514,
0.3611

■ 23.4116, 0.2410,
0.3802

■ 25.0980, 0.2585,
0.3550

■ 23.2422, 0.2407,
0.3865

■ 25.8537, 0.2672,
0.3491

■ 26.7630, 0.2772,
0.3435

■ 27.8345, 0.2883,
0.3382

■ 29.0761, 0.3002,
0.3334

■ 30.4949, 0.3127,
0.3290

■ 32.0979, 0.3254,
0.3251

■ 33.8916, 0.3383,
0.3215

Harmonies

Analogous

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



24.0093, 0.2975, 0.4195



24.0093, 0.2461, 0.3674



24.0093, 0.2142, 0.3067

Triad

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



24.0093, 0.2461, 0.3674



24.0093, 0.2628, 0.2381



24.0093, 0.4307, 0.3816

Complementary

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



24.0093, 0.2461, 0.3674



8.7255, 0.4991, 0.3016

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.



24.0093, 0.4218, 0.3356



24.0093, 0.2461, 0.3674



24.0093, 0.3194, 0.2573

Square

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



24.0093, 0.2461, 0.3674



24.0093, 0.2235, 0.2383



24.0093, 0.3794, 0.2918



24.0093, 0.4052, 0.4205

Rectangle

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



24.0093, 0.2461, 0.3674



24.0093, 0.2065, 0.2738



24.0093, 0.3794, 0.2918



24.0093, 0.4319, 0.3665

Sweetspot

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



24.0102, 0.2461, 0.3674



48.8406, 0.2867, 0.3389



23.1007, 0.3154, 0.5394



10.7165, 0.2839, 0.3402



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.0102, 0.2461, 0.3674



41.4789, 0.2415, 0.3774



15.4189, 0.2171, 0.2592



6.5444, 0.3012, 0.3330



19.2784, 0.2406, 0.3860



0.2397, 0.2321, 0.3556

Inverse Universe

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



8.7255, 0.4991, 0.3016



12.7544, 0.5621, 0.3049



12.1513, 0.4945, 0.3806



5.8315, 0.3256, 0.3250



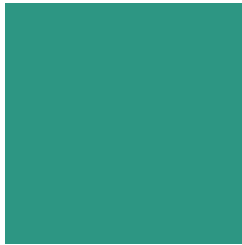
5.4475, 0.6074, 0.3120



0.0699, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 24.0093, 0.2461, 0.3674 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 24.0093, 0.2461, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

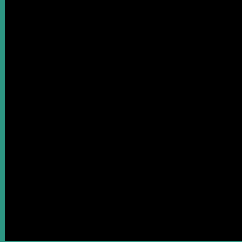
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0093, 0.2461, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 24.0093, 0.2461, 0.3674.

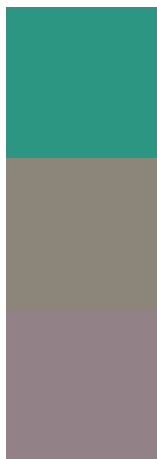


This preview shows how white text looks on a background with the Yxy color 24.0093, 0.2461, 0.3674.

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

24.0093, 0.2461, 0.3674

Protanopia

23.6692, 0.3315, 0.3480

Deuteranopia

23.5608, 0.3261, 0.3191



Tritanopia

23.9259, 0.2329, 0.3062

Trichromacy



Original Color

24.0093, 0.2461, 0.3674



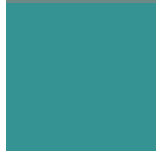
Protanomaly

22.9492, 0.2906, 0.3555



Deuteranomaly

22.8638, 0.2861, 0.3345



Tritanomaly

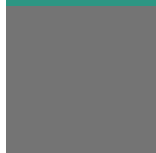
23.7624, 0.2372, 0.3268

Monochromacy



Original Color

24.0093, 0.2461, 0.3674



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

18.9925, 0.2781, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0093, 0.2461, 0.3674 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(45, 150, 131)` looks like.

```
.text, #text, p{  
    color:rgb(45, 150, 131)  
}
```

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(45, 150, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 150, 131) }
```

Border

The CSS property to change the border of an element to Yxy 24.0093, 0.2461, 0.3674 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(45, 150, 131) }
```

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

```
.border{ border-color:rgb(45, 150, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 150, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 150, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 150, 131);  
box-shadow:4px 4px 4px 4px rgb(45, 150,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0093, 0.2461, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 150, 131) }
```

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

```
.background{ background-color: rgb(45, 150,  
131) }
```

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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