

Converting Colors

$Yxy(24.1631, 0.2398, 0.3472)$

Have a look what the booklet for
Yxy(24.1631, 0.2398, 0.3472)
contains.

Yxy(24.2640, 0.2403, 0.3486)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.2640, 0.2403, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	2D968C
RGB	45, 150, 140
RGB Percent	18%, 59%, 55%
CMY	0.8231, 0.4118, 0.4510
CMYK	0.70, 0.00, 0.07, 0.41
HSL	174°, 54%, 38%
HSV	174°, 70%, 59%
XYZ	16.7259, 24.2640, 28.6143
YIQ	117.4650, -59.3700, -25.3700

Conversions

Conversions Part 2

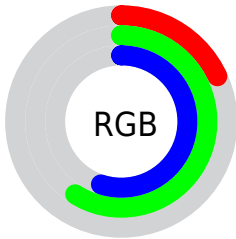
Format	Color
R_{YB}	45, 100, 150
Decimal	2987660
CIE _{Lab}	56.35, -31.67, -3.36
CIE _{LCh}	56, 31.846, 186.062
Yxy	24.2640, 0.2403, 0.3486
Android (android.graphics.Color)	4281177740 (0xFF2D968C)
YUV	117.4650, 11.1098, -63.5518
Hunter-Lab	49.2585, -25.5922, 0.0394

Details

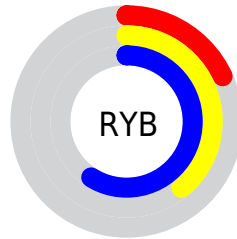
The Yxy color **24.2640, 0.2403, 0.3486** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.6457, 0.5186, 0.3155**, and the grayscale version is **17.9296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5771, 0.2558, 0.3459**, and **9.4736, 0.2313, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **23.9403, 0.2362, 0.3518**, and if you desaturate by 10%, it is **24.7111, 0.2462, 0.3454**.

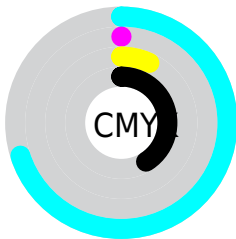
Distribution



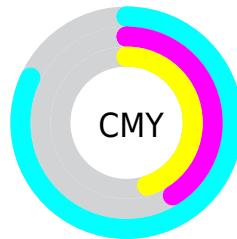
- Red (18%)
- Green (59%)
- Blue (55%)



- Red (18%)
- Yellow (39%)
- Blue (59%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (41%)




- Cyan (82%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2640, 0.2403, 0.3486 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 24.2640, 0.2403, 0.3486 by changing the saturation by 10% instead.


 24.2640, 0.2403,
0.3486


 24.2640, 0.2403,
0.3486


274.1525, 0.2799,
0.3383


 15.5296, 0.2292,
0.3513


 50.4607, 0.2555,
0.3448


 9.1919, 0.2142,
0.3547


 68.6917, 0.2610,
0.3434

 4.8666, 0.1928,
0.3593

 90.8570, 0.2655,
0.3422

 2.1692, 0.1604,
0.3654

 117.3411, 0.2693,
0.3412

 0.7031, 0.0000,
0.4126

 148.5283, 0.2725,
0.3403

 0.0000, 0.0000,
0.0000

 184.8030, 0.2753,

0.3396

226.5496, 0.2777,
0.3389

■ 24.2640, 0.2403,
0.3486

■ 24.2640, 0.2403,
0.3486

■ 23.9403, 0.2362,
0.3518

■ 24.7111, 0.2462,
0.3454

■ 23.7238, 0.2339,
0.3550

■ 25.2902, 0.2540,
0.3423

■ 23.5812, 0.2328,
0.3581

■ 26.0126, 0.2634,
0.3393

■ 23.5802, 0.2328,
0.3582

■ 26.8874, 0.2742,
0.3365

■ 27.9231, 0.2862,
0.3338

■ 29.1273, 0.2992,
0.3313

■ 30.5074, 0.3128,
0.3290

■ 32.0703, 0.3269,
0.3269

■ 33.8225, 0.3411,
0.3251

Harmonies

Analogous

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



24.2640, 0.2842, 0.4012



24.2640, 0.2403, 0.3486



24.2640, 0.2164, 0.2949

Triad

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



24.2640, 0.2403, 0.3486



24.2640, 0.2800, 0.2473



24.2640, 0.4187, 0.3900

Complementary

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



24.2640, 0.2403, 0.3486



8.6457, 0.5186, 0.3155

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.



24.2640, 0.4196, 0.3480



24.2640, 0.2403, 0.3486



24.2640, 0.3352, 0.2699

Square

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



24.2640, 0.2403, 0.3486



24.2640, 0.2378, 0.2423



24.2640, 0.3881, 0.3055



24.2640, 0.3878, 0.4215

Rectangle

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



24.2640, 0.2403, 0.3486



24.2640, 0.2134, 0.2678



24.2640, 0.3881, 0.3055



24.2640, 0.4227, 0.3766

Sweetspot

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



24.2649, 0.2403, 0.3486



48.9912, 0.2844, 0.3342



22.8305, 0.3090, 0.5431



10.7536, 0.2813, 0.3348



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.



24.2649, 0.2403, 0.3486



42.0122, 0.2347, 0.3536



13.4962, 0.2125, 0.2398



6.5528, 0.3002, 0.3311



19.5611, 0.2328, 0.3579



0.2416, 0.2284, 0.3422

Inverse Universe

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



8.6457, 0.5186, 0.3155



12.6246, 0.5846, 0.3183



13.5008, 0.4815, 0.3948



5.8238, 0.3268, 0.3269



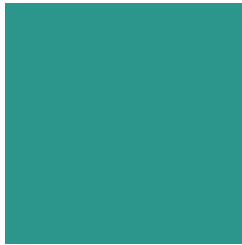
5.4071, 0.6258, 0.3221



0.0679, 0.5661, 0.2892

Previews

White Background



This preview shows how the Yxy color 24.2640, 0.2403, 0.3486 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 24.2640, 0.2403, 0.3486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

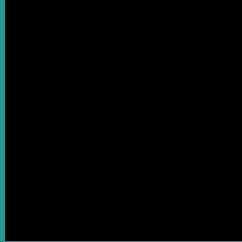
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2640, 0.2403, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 24.2640, 0.2403, 0.3486.



This preview shows how white text looks on a background with the Yxy color 24.2640, 0.2403, 0.3486.

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

24.2640, 0.2403, 0.3486

Protanopia

24.0073, 0.3193, 0.3342

Deuteranopia

23.8185, 0.3127, 0.3059



Tritanopia

24.1829, 0.2314, 0.3063

Trichromacy



Original Color

24.2640, 0.2403, 0.3486

Protanomaly

23.4205, 0.2816, 0.3401

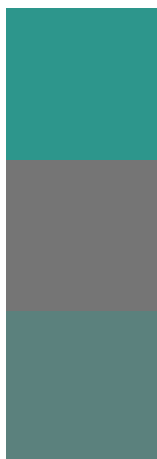
Deuteranomaly

23.0003, 0.2760, 0.3179

Tritanomaly

24.1506, 0.2343, 0.3211

Monochromacy



Original Color

24.2640, 0.2403, 0.3486

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.4053, 0.2755, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2640, 0.2403, 0.3486 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, 140)` looks like.

```
.text, #text, p{  
  color:rgb(45, 150, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 150, 140) }
```

Border

The CSS property to change the border of an element to Yxy 24.2640, 0.2403, 0.3486 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, 140) }
```

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

```
.border{ border-color:rgb(45, 150, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 150, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 150, 140);  
box-shadow:4px 4px 4px 4px rgb(45, 150,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2640, 0.2403, 0.3486 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, 140) }
```

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

```
.background{ background-color: rgb(45, 150,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor