

Converting Colors

$Y_{xy}(24.3444, 0.2937, 0.4939)$

Have a look what the booklet for
Yxy(24.3444, 0.2937, 0.4939)
contains.

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Color

Yxy(24.1764, 0.2937, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	3A994A
RGB	58, 153, 74
RGB Percent	23%, 60%, 29%
CMY	0.7724, 0.4000, 0.7097
CMYK	0.62, 0.00, 0.52, 0.40
HSL	130°, 45%, 41%
HSV	130°, 62%, 60%
XYZ	14.3737, 24.1764, 10.3900
YIQ	115.5890, -31.2610, -44.7090

Conversions

Conversions Part 2

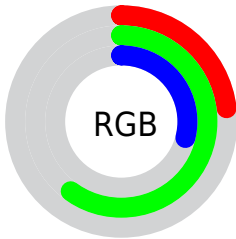
Format	Color
RYB	58, 139, 153
Decimal	3840330
CIELab	56.26, -45.10, 33.20
CIElCh	56, 55.998, 143.639
Yxy	24.1764, 0.2937, 0.4940
Android (android.graphics.Color)	4282030410 (0xFF3A994A)
YUV	115.5890, -20.5034, -50.5056
Hunter-Lab	49.1695, -33.8658, 21.8901




Details

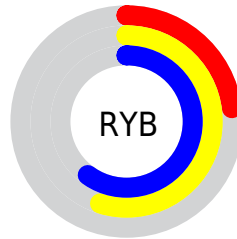
The Yxy color **24.1764, 0.2937, 0.4940** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.6076, 0.3443, 0.2085**, and the grayscale version is **17.4067, 0.3127, 0.3290**.




A 20% lighter version of the original color is **50.2118, 0.3011, 0.4545**, and **9.3819, 0.2889, 0.5599** is the 20% darker color. If you saturate the color by 10%, you get **23.6302, 0.2928, 0.5231**, and if you desaturate by 10%, it is **24.8956, 0.2956, 0.4636**.

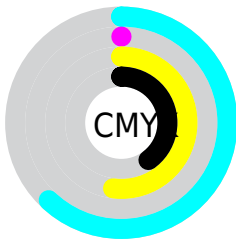
Distribution







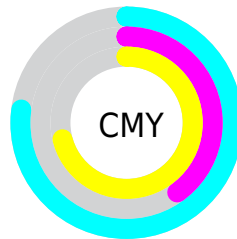
-  Red (23%)
-  Green (60%)
-  Blue (29%)






-  Red (23%)
-  Yellow (55%)
-  Blue (60%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (52%)
-  Black (40%)



-  Cyan (77%)
-  Magenta (40%)
-  Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1764, 0.2937, 0.4940 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 24.1764, 0.2937, 0.4940 by changing the saturation by 10% instead.

■ 24.1764, 0.2937,
0.4940

■ 24.1764, 0.2937,
0.4940

273.7111, 0.3084,
0.3963

■ 15.4645, 0.2871,
0.5246

■ 50.3179, 0.3008,
0.4542

■ 9.1460, 0.2762,
0.5680

■ 68.5163, 0.3029,
0.4405

■ 4.8366, 0.2564,
0.6331

■ 90.6457, 0.3045,
0.4296

■ 2.1517, 0.2210,
0.7790

■ 117.0905, 0.3056,
0.4205

■ 0.6935, 0.0000,
1.0000

■ 148.2350, 0.3065,
0.4130

■ 0.0000, 0.0000,
0.0000

184.4637, 0.3073,

0.4066

226.1609, 0.3079,
0.4010

■ 24.1764, 0.2937,
0.4940

■ 24.1764, 0.2937,
0.4940

■ 23.6302, 0.2928,
0.5231

■ 24.8956, 0.2956,
0.4636

■ 23.2394, 0.2929,
0.5490

■ 25.7976, 0.2983,
0.4335

■ 22.9879, 0.2942,
0.5702

■ 26.8952, 0.3014,
0.4048

■ 22.8559, 0.2953,
0.5831

■ 28.1989, 0.3049,
0.3783

■ 29.7187, 0.3084,
0.3544

■ 31.4637, 0.3120,
0.3331

■ 33.4428, 0.3154,
0.3144

■ 35.6641, 0.3187,
0.2981

■ 38.1355, 0.3218,
0.2839

Harmonies

Analogous

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



24.1764, 0.3833, 0.5048



24.1764, 0.2937, 0.4940



24.1764, 0.2140, 0.4064

Triad

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



24.1764, 0.2937, 0.4940



24.1764, 0.1724, 0.1926



24.1764, 0.4842, 0.3224

Complementary

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



24.1764, 0.2937, 0.4940



11.6076, 0.3443, 0.2085

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.



24.1764, 0.4078, 0.2620



24.1764, 0.2937, 0.4940



24.1764, 0.2237, 0.1910

Square

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



24.1764, 0.2937, 0.4940



24.1764, 0.1531, 0.2258



24.1764, 0.3075, 0.2156



24.1764, 0.5010, 0.3890

Rectangle

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



24.1764, 0.2937, 0.4940



24.1764, 0.1777, 0.3325



24.1764, 0.3075, 0.2156



24.1764, 0.4643, 0.3013

Sweetspot

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



24.1774, 0.2937, 0.4940



51.1967, 0.3058, 0.3716



28.4210, 0.3799, 0.4799



11.1549, 0.3049, 0.3781



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.



24.1774, 0.2937, 0.4940



42.0520, 0.2927, 0.5323



25.0717, 0.2602, 0.3927



6.9417, 0.3095, 0.3480



18.8937, 0.2950, 0.5822



0.2862, 0.2785, 0.5227

Inverse Universe

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



11.6076, 0.3443, 0.2085



17.6197, 0.3528, 0.1919



10.5340, 0.4362, 0.2788



6.3058, 0.3161, 0.3107



6.8731, 0.3675, 0.1798



0.1069, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 24.1764, 0.2937, 0.4940 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 24.1764, 0.2937, 0.4940 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 24.1764, 0.2937, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 24.1764, 0.2937, 0.4940.



This preview shows how white text looks on a background with the Yxy color 24.1764, 0.2937, 0.4940.

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

24.1764, 0.2937, 0.4940

Protanopia

23.7634, 0.4000, 0.4364

Deuteranopia

23.8041, 0.4115, 0.4036



Tritanopia

24.0523, 0.2459, 0.3067

Trichromacy



Original Color

24.1764, 0.2937, 0.4940



Protanomaly

23.1368, 0.3528, 0.4612



Deuteranomaly

22.8014, 0.3597, 0.4368



Tritanomaly

23.7515, 0.2634, 0.3708

Monochromacy



Original Color

24.1764, 0.2937, 0.4940



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.0730, 0.3032, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1764, 0.2937, 0.4940 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(58, 153, 74)` looks like.

```
.text, #text, p{  
    color:rgb(58, 153, 74)  
}
```

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(58, 153, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 153, 74) }
```

Border

The CSS property to change the border of an element to Yxy 24.1764, 0.2937, 0.4940 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(58, 153, 74) }
```

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

```
.border{ border-color:rgb(58, 153, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 153, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 153, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 153, 74);  
box-shadow:4px 4px 4px 4px rgb(58, 153,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1764, 0.2937, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 153, 74) }
```

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

```
.background{ background-color: rgb(58, 153,  
74) }
```

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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