

Converting Colors

$Yxy(24.0659, 0.3697, 0.4531)$

Have a look what the booklet for
Yxy(24.0659, 0.3697, 0.4531)
contains.

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Color

Yxy(24.1591, 0.3696, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	818D46
RGB	129, 141, 70
RGB Percent	51%, 55%, 27%
CMY	0.4940, 0.4471, 0.7256
CMYK	0.08, 0.00, 0.50, 0.45
HSL	70°, 34%, 41%
HSV	70°, 50%, 55%
XYZ	19.6852, 24.1591, 9.4165
YIQ	129.3180, 15.6390, -24.6250

Conversions

Conversions Part 2

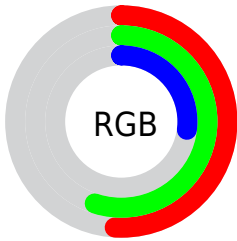
Format	Color
RYB	70, 141, 82
Decimal	8490310
CIELab	56.25, -15.58, 36.12
CIELCh	56, 39.336, 113.336
Yxy	24.1591, 0.3696, 0.4536
Android (android.graphics.Color)	4286680390 (0xFF818D46)
YUV	129.3180, -29.2438, -0.2789
Hunter-Lab	49.1519, -14.5271, 23.0476

Details

The Yxy color **24.1591, 0.3696, 0.4536** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.0931, 0.2339, 0.1807**, and the grayscale version is **22.1718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4536, 0.3591, 0.4270**, and **9.1598, 0.3831, 0.4993** is the 20% darker color. If you saturate the color by 10%, you get **23.8184, 0.3781, 0.4756**, and if you desaturate by 10%, it is **24.5481, 0.3595, 0.4295**.

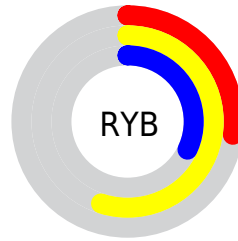
Distribution



Red (51%)

Green (55%)

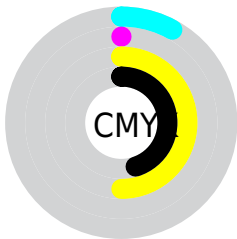
Blue (27%)



Red (27%)

Yellow (55%)

Blue (32%)

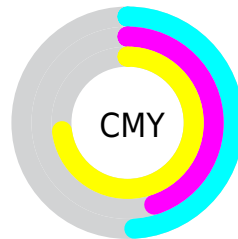


Cyan (8%)

Magenta (0%)

Yellow (50%)

Black (45%)



Cyan (49%)


Magenta (45%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1591, 0.3696, 0.4536 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 24.1591, 0.3696, 0.4536 by changing the saturation by 10% instead.


 24.1591, 0.3696,
0.4536


 24.1591, 0.3696,
0.4536


273.6239, 0.3407,
0.3835


 15.4517, 0.3760,
0.4734


 50.2897, 0.3594,
0.4263


 9.1370, 0.3831,
0.4999


 68.4817, 0.3554,
0.4166


 4.8306, 0.3909,
0.5379

 90.6040, 0.3520,
0.4086

 2.1482, 0.3995,
0.6005

 117.0410, 0.3491,
0.4019

 0.6916, 0.2859,
0.7141

 148.1770, 0.3466,
0.3962

 0.0000, 0.0000,
0.0000

184.3966, 0.3444,

0.3914

226.0841, 0.3424,
0.3872

■ 24.1591, 0.3696,
0.4536

■ 24.1591, 0.3696,
0.4536

■ 23.8184, 0.3781,
0.4756

■ 24.5481, 0.3595,
0.4295

■ 23.5198, 0.3846,
0.4946

■ 24.9849, 0.3484,
0.4042

■ 23.2610, 0.3887,
0.5097

■ 25.4730, 0.3367,
0.3788

■ 23.0379, 0.3904,
0.5206

■ 26.0148, 0.3248,
0.3538

■ 22.8463, 0.3905,
0.5282

■ 26.6124, 0.3131,
0.3299

■ 27.2678, 0.3019,
0.3073

■ 27.9830, 0.2912,
0.2864

■ 28.7599, 0.2812,
0.2671

■ 29.6000, 0.2719,
0.2496

Harmonies

Analogous

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



24.1591, 0.4234, 0.4265



24.1591, 0.3696, 0.4536



24.1591, 0.3037, 0.4402

Triad

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



24.1591, 0.3696, 0.4536



24.1591, 0.1929, 0.2568



24.1591, 0.3798, 0.2803

Complementary

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



24.1591, 0.3696, 0.4536



8.0931, 0.2339, 0.1807

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.



24.1591, 0.3098, 0.2440



24.1591, 0.3696, 0.4536



24.1591, 0.2077, 0.2284

Square

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



24.1591, 0.3696, 0.4536



24.1591, 0.2047, 0.3118



24.1591, 0.2480, 0.2253



24.1591, 0.4331, 0.3278

Rectangle

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



24.1591, 0.3696, 0.4536



24.1591, 0.2619, 0.4058



24.1591, 0.2480, 0.2253



24.1591, 0.3569, 0.2666

Sweetspot

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



24.1602, 0.3696, 0.4536



46.0956, 0.3307, 0.3661



12.1117, 0.4370, 0.3507



10.2559, 0.3329, 0.3707



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.1602, 0.3696, 0.4536



42.6029, 0.3788, 0.4775



21.8530, 0.3287, 0.4723



6.2400, 0.3234, 0.3509



20.8375, 0.3906, 0.5281



0.2071, 0.4054, 0.5163

Inverse Universe

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



8.0931, 0.2339, 0.1807



10.5436, 0.2134, 0.1458



10.1056, 0.2826, 0.1986



5.2960, 0.3014, 0.3065



1.9333, 0.1590, 0.0649



0.0251, 0.1906, 0.0824

Previews

White Background



This preview shows how the Yxy color 24.1591, 0.3696, 0.4536 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 24.1591, 0.3696, 0.4536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

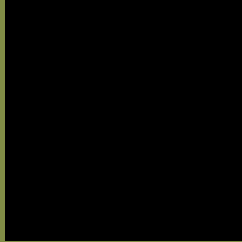
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1591, 0.3696, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 24.1591, 0.3696, 0.4536.



This preview shows how white text looks on a background with the Yxy color 24.1591, 0.3696, 0.4536.

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

24.1591, 0.3696, 0.4536

Protanopia

24.1349, 0.4004, 0.4372

Deuteranopia

23.9187, 0.4214, 0.4125



Tritanopia

24.0766, 0.3068, 0.3122

Trichromacy



Original Color

24.1591, 0.3696, 0.4536

Protanomaly

24.0718, 0.3892, 0.4424

Deuteranomaly

23.9183, 0.4020, 0.4272

Tritanomaly

23.9376, 0.3315, 0.3642

Monochromacy



Original Color

24.1591, 0.3696, 0.4536

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.5249, 0.3350, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1591, 0.3696, 0.4536 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(129, 141, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 141, 70)  
}
```

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(129, 141, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 141, 70) }
```

Border

The CSS property to change the border of an element to Yxy 24.1591, 0.3696, 0.4536 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(129, 141, 70) }
```

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

```
.border{ border-color:rgb(129, 141, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 141, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 141, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 141, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 141,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1591, 0.3696, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 141, 70) }
```

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

```
.background{ background-color: rgb(129,  
141, 70) }
```

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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