

Converting Colors

$Y_{xy}(24.1532, 0.3678, 0.4736)$

Have a look what the booklet for
Yxy(24.1532, 0.3678, 0.4736)
contains.

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Color

Yxy(24.1194, 0.3672, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	7A8F3D
RGB	122, 143, 61
RGB Percent	48%, 56%, 24%
CMY	0.5217, 0.4392, 0.7607
CMYK	0.15, 0.00, 0.57, 0.44
HSL	75°, 40%, 40%
HSV	75°, 57%, 56%
XYZ	18.6888, 24.1194, 8.0873
YIQ	127.3730, 13.8060, -29.9540

Conversions

Conversions Part 2

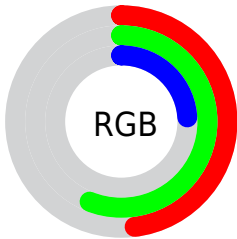
Format	Color
RYB	61, 143, 82
Decimal	8032061
CIELab	56.21, -20.49, 40.42
CIELCh	56, 45.320, 116.878
Yxy	24.1194, 0.3672, 0.4739
Android (android.graphics.Color)	4286222141 (0xFF7A8F3D)
YUV	127.3730, -32.7219, -4.7121
Hunter-Lab	49.1115, -18.0189, 24.6146

Details

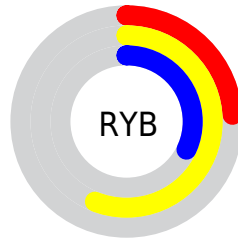
The Yxy color **24.1194, 0.3672, 0.4739** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.1185, 0.2295, 0.1616**, and the grayscale version is **21.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3103, 0.3585, 0.4427**, and **9.1858, 0.3768, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **23.7237, 0.3728, 0.4956**, and if you desaturate by 10%, it is **24.5685, 0.3597, 0.4496**.

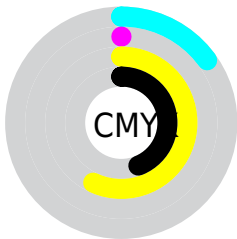
Distribution



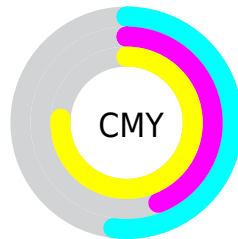
- Red (48%)
- Green (56%)
- Blue (24%)



- Red (24%)
- Yellow (56%)
- Blue (32%)



- Cyan (15%)
- Magenta (0%)
- Yellow (57%)
- Black (44%)





- Cyan (52%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1194, 0.3672, 0.4739 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 24.1194, 0.3672, 0.4739 by changing the saturation by 10% instead.


 24.1194, 0.3672,
0.4739


 24.1194, 0.3672,
0.4739


 273.4236, 0.3408,
0.3920


 15.4222, 0.3721,
0.4970


 50.2250, 0.3584,
0.4420

 9.1162, 0.3765,
0.5275


 68.4022, 0.3548,
0.4306

 4.8171, 0.3832,
0.5770

 90.5081, 0.3517,
0.4213

 2.1403, 0.3706,
0.6294

 116.9273, 0.3489,
0.4135

 0.6872, 0.1821,
0.8179

 148.0440, 0.3465,
0.4069

 0.0000, 0.0000,
0.0000

 184.2427, 0.3444,

0.4012

225.9077, 0.3425,
0.3963

■ 24.1194, 0.3672,
0.4739

■ 24.1194, 0.3672,
0.4739

■ 23.7237, 0.3728,
0.4956

■ 24.5685, 0.3597,
0.4496

■ 23.3746, 0.3762,
0.5138

■ 25.0709, 0.3508,
0.4238

■ 23.0693, 0.3771,
0.5277

■ 25.6303, 0.3410,
0.3975

■ 22.8006, 0.3759,
0.5376

■ 26.2495, 0.3307,
0.3715

■ 22.7317, 0.3755,
0.5400

■ 26.9307, 0.3203,
0.3465

■ 27.6764, 0.3100,
0.3229

■ 28.4886, 0.3001,
0.3009

■ 29.3693, 0.2908,
0.2807

■ 30.3206, 0.2820,
0.2623

Harmonies

Analogous

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



24.1194, 0.4318, 0.4436



24.1194, 0.3672, 0.4739



24.1194, 0.2920, 0.4539

Triad

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



24.1194, 0.3672, 0.4739



24.1194, 0.1781, 0.2404



24.1194, 0.3986, 0.2791

Complementary

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



24.1194, 0.3672, 0.4739



7.1185, 0.2295, 0.1616

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.



24.1194, 0.3182, 0.2370



24.1194, 0.3672, 0.4739



24.1194, 0.1980, 0.2133

Square

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



24.1194, 0.3672, 0.4739



24.1194, 0.1871, 0.2989



24.1194, 0.2458, 0.2136



24.1194, 0.4561, 0.3327

Rectangle

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



24.1194, 0.3672, 0.4739



24.1194, 0.2461, 0.4096



24.1194, 0.2458, 0.2136



24.1194, 0.3727, 0.2634

Sweetspot

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



24.1205, 0.3672, 0.4739



46.9999, 0.3307, 0.3716



12.1390, 0.4557, 0.3650



10.7316, 0.3325, 0.3761



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.1205, 0.3672, 0.4739



42.2760, 0.3741, 0.5017



21.7566, 0.3225, 0.4975



6.2168, 0.3222, 0.3510



20.1070, 0.3757, 0.5399



0.2028, 0.3975, 0.5226

Inverse Universe

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



7.1185, 0.2295, 0.1616



8.7546, 0.2068, 0.1235



9.4975, 0.2872, 0.1852



5.3177, 0.3027, 0.3065



2.1050, 0.1673, 0.0695



0.0294, 0.2092, 0.0926

Previews

White Background



This preview shows how the Yxy color 24.1194, 0.3672, 0.4739 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 24.1194, 0.3672, 0.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

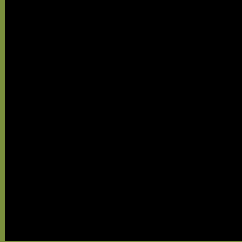
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1194, 0.3672, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 24.1194, 0.3672, 0.4739.



This preview shows how white text looks on a background with the Yxy color 24.1194, 0.3672, 0.4739.

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

24.1194, 0.3672, 0.4739

Protanopia

24.0230, 0.4092, 0.4504

Deuteranopia

23.9270, 0.4306, 0.4223



Tritanopia

24.0001, 0.2993, 0.3103

Trichromacy



Original Color

24.1194, 0.3672, 0.4739

Protanomaly

23.9817, 0.3933, 0.4595

Deuteranomaly

23.6293, 0.4071, 0.4394

Tritanomaly

23.6954, 0.3265, 0.3704

Monochromacy



Original Color

24.1194, 0.3672, 0.4739

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.1143, 0.3356, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1194, 0.3672, 0.4739 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(122, 143, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 143, 61)  
}
```

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(122, 143, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 143, 61) }
```

Border

The CSS property to change the border of an element to Yxy 24.1194, 0.3672, 0.4739 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(122, 143, 61) }
```

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

```
.border{ border-color:rgb(122, 143, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 143, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 143, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 143, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 143,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1194, 0.3672, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 143, 61) }
```

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

```
.background{ background-color: rgb(122,  
143, 61) }
```

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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