

Converting Colors

$Y_{xy}(24.0383, 0.4366, 0.4715)$

Have a look what the booklet for
Yxy(24.0383, 0.4366, 0.4715)
contains.

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Color

Yxy(24.1125, 0.4360, 0.4719)

Conversions

Conversions Part 1

Format	Color
Hex	9B861E
RGB	155, 134, 30
RGB Percent	61%, 53%, 12%
CMY	0.3921, 0.4745, 0.8825
CMYK	0.00, 0.14, 0.81, 0.39
HSL	50°, 68%, 36%
HSV	50°, 81%, 61%
XYZ	22.2781, 24.1125, 4.7060
YIQ	128.4230, 45.9000, -27.8920

Conversions

Conversions Part 2

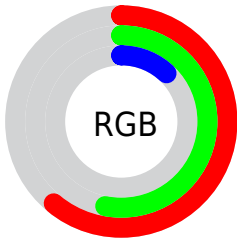
Format	Color
RYB	55, 155, 30
Decimal	10192414
CIELab	56.20, -2.92, 54.30
CIELCh	56, 54.374, 93.083
Yxy	24.1125, 0.4360, 0.4719
Android (android.graphics.Color)	4288382494 (0xFF9B861E)
YUV	128.4230, -48.5225, 23.3080
Hunter-Lab	49.1045, -4.9495, 28.6910

Details

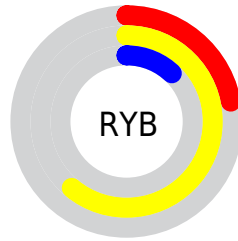
The Yxy color **24.1125, 0.4360, 0.4719** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.0082, 0.1726, 0.1133**, and the grayscale version is **21.9012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3269, 0.4151, 0.4463**, and **9.2063, 0.4467, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **23.3419, 0.4452, 0.4773**, and if you desaturate by 10%, it is **24.9420, 0.4241, 0.4621**.

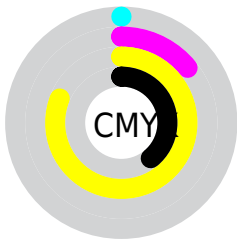
Distribution



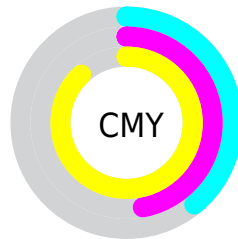
- Red (61%)
- Green (53%)
- Blue (12%)



- Red (22%)
- Yellow (61%)
- Blue (12%)



- Cyan (0%)
- Magenta (14%)
- Yellow (81%)
- Black (39%)





- Cyan (39%)
- Magenta (47%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1125, 0.4360, 0.4719 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 24.1125, 0.4360, 0.4719 by changing the saturation by 10% instead.


 24.1125, 0.4360,
0.4719


 24.1125, 0.4360,
0.4719

273.3887, 0.3742,
0.3987


 15.4171, 0.4485,
0.4876


 50.2137, 0.4149,
0.4463

 9.1126, 0.4625,
0.5060


 68.3883, 0.4064,
0.4362


 4.8147, 0.4752,
0.5248

 90.4915, 0.3991,
0.4276


 2.1390, 0.4714,
0.5286

 116.9075, 0.3927,
0.4202

 0.6864, 0.4584,
0.5416

 148.0209, 0.3872,
0.4137

 0.0000, 0.0000,
0.0000

 184.2159, 0.3823,

0.4080

225.8771, 0.3780,
0.4031

■ 24.1125, 0.4360,
0.4719

■ 24.1125, 0.4360,
0.4719

■ 23.3419, 0.4452,
0.4773

■ 24.9420, 0.4241,
0.4621

■ 22.6610, 0.4519,
0.4794

■ 25.8323, 0.4101,
0.4484

■ 26.7888, 0.3944,
0.4315

■ 27.8154, 0.3779,
0.4124

■ 28.9158, 0.3611,
0.3920

■ 30.0930, 0.3445,
0.3711

■ 31.3502, 0.3286,
0.3503

■ 32.6902, 0.3137,
0.3303

■ 34.1155, 0.2998,
0.3113

Harmonies

Analogous

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



24.1125, 0.4891, 0.4095



24.1125, 0.4360, 0.4719



24.1125, 0.3552, 0.5048

Triad

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



24.1125, 0.4360, 0.4719



24.1125, 0.1616, 0.2733



24.1125, 0.3383, 0.2305

Complementary

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



24.1125, 0.4360, 0.4719



5.0082, 0.1726, 0.1133

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.



24.1125, 0.2486, 0.1990



24.1125, 0.4360, 0.4719



24.1125, 0.1592, 0.2144

Square

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



24.1125, 0.4360, 0.4719



24.1125, 0.1979, 0.3701



24.1125, 0.1879, 0.1922



24.1125, 0.4333, 0.2814

Rectangle

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



24.1125, 0.4360, 0.4719



24.1125, 0.2963, 0.4897



24.1125, 0.1879, 0.1922



24.1125, 0.3060, 0.2175

Sweetspot

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



24.1137, 0.4360, 0.4719



53.0678, 0.3507, 0.3790



8.1526, 0.5429, 0.3027



11.8531, 0.3563, 0.3860



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.1137, 0.4360, 0.4719



40.7275, 0.4508, 0.4786



27.2125, 0.3686, 0.5257



7.0462, 0.3264, 0.3474



18.2467, 0.4516, 0.4796



0.3141, 0.4352, 0.4926

Inverse Universe

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



5.0082, 0.1726, 0.1133



5.7201, 0.1557, 0.0782



4.5799, 0.1977, 0.1020



6.1858, 0.2988, 0.3099



2.5363, 0.1549, 0.0775



0.0749, 0.1711, 0.1360

Previews

White Background



This preview shows how the Yxy color 24.1125, 0.4360, 0.4719 looks on a white background.

Color Contrast Check

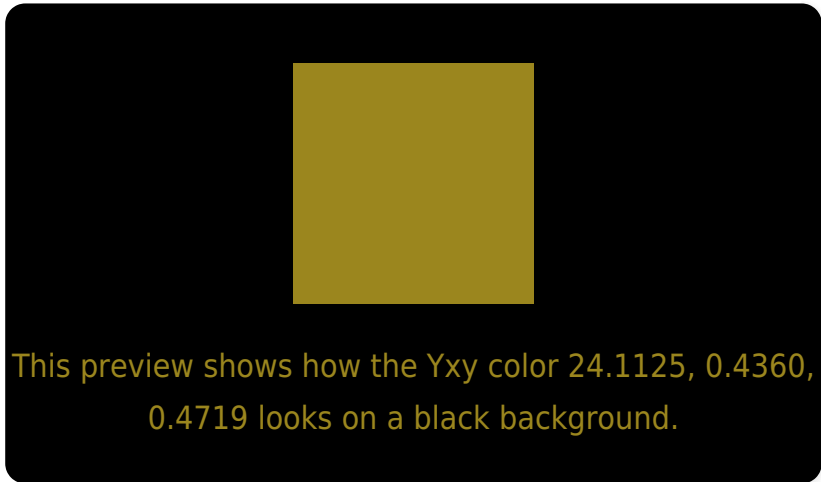
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 24.1125, 0.4360, 0.4719

Background



This preview shows how black text looks on a background with the Yxy color 24.1125, 0.4360, 0.4719.



This preview shows how white text looks on a background with the Yxy color 24.1125, 0.4360, 0.4719.

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

24.1125, 0.4360, 0.4719

Protanopia

24.0971, 0.4311, 0.4755

Deuteranopia

24.0942, 0.4596, 0.4507



Tritanopia

24.0698, 0.3473, 0.3150

Trichromacy



Original Color

24.1125, 0.4360, 0.4719

Protanomaly

24.1940, 0.4324, 0.4747

Deuteranomaly

24.0689, 0.4518, 0.4577

Tritanomaly

23.6538, 0.3883, 0.3806

Monochromacy



Original Color

24.1125, 0.4360, 0.4719

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.1412, 0.3651, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1125, 0.4360, 0.4719 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(155, 134, 30)` looks like.

```
.text, #text, p{  
    color:rgb(155, 134, 30)  
}
```

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(155, 134, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 134, 30) }
```

Border

The CSS property to change the border of an element to Yxy 24.1125, 0.4360, 0.4719 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(155, 134, 30) }
```

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

```
.border{ border-color:rgb(155, 134, 30) }
```

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

Here you see how a box with a 4 pixel rgb(155, 134, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 134, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 134, 30);  
box-shadow:4px 4px 4px 4px rgb(155, 134,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1125, 0.4360, 0.4719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 134, 30) }
```

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

```
.background{ background-color: rgb(155,  
134, 30) }
```

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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