

Converting Colors

$Y_{xy}(24.3739, 0.4567, 0.4498)$

Have a look what the booklet for
Yxy(24.3739, 0.4567, 0.4498)
contains.

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Color

Yxy(24.3739, 0.4567, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	AA8124
RGB	170, 129, 36
RGB Percent	67%, 51%, 14%
CMY	0.3333, 0.4941, 0.8589
CMYK	0.00, 0.24, 0.79, 0.33
HSL	42°, 65%, 40%
HSV	42°, 79%, 67%
XYZ	24.7478, 24.3739, 5.0666
YIQ	130.6570, 54.2890, -20.2310

Conversions

Conversions Part 2

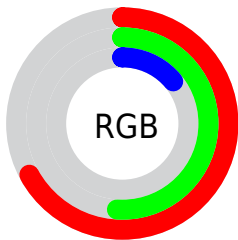
Format	Color
RYB	95, 170, 36
Decimal	11174180
CIELab	56.46, 6.95, 52.99
CIELCh	56, 53.449, 82.529
Yxy	24.3739, 0.4567, 0.4498
Android (android.graphics.Color)	4289364260 (0xFFAA8124)
YUV	130.6570, -46.6659, 34.5038
Hunter-Lab	49.3699, 3.0798, 28.4743

Details

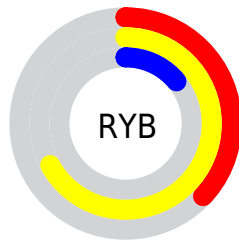
The Yxy color **24.3739, 0.4567, 0.4498** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5823, 0.1823, 0.1471**, and the grayscale version is **22.7230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8185, 0.4306, 0.4307**, and **9.2480, 0.4791, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **22.9591, 0.4717, 0.4535**, and if you desaturate by 10%, it is **25.9102, 0.4392, 0.4415**.

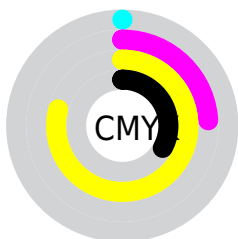
Distribution



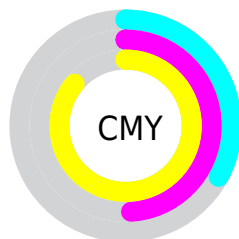
- Red (67%)
- Green (51%)
- Blue (14%)



- Red (37%)
- Yellow (67%)
- Blue (14%)



- Cyan (0%)
- Magenta (24%)
- Yellow (79%)
- Black (33%)



- Cyan (33%)
- Magenta (49%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3739, 0.4567, 0.4498 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 24.3739, 0.4567, 0.4498 by changing the saturation by 10% instead.


 24.3739, 0.4567,
0.4498


 24.3739, 0.4567,
0.4498


274.7054, 0.3825,
0.3907


 15.6112, 0.4731,
0.4611


 50.6397, 0.4306,
0.4301

 9.2495, 0.4920,
0.4727


 68.9115, 0.4204,
0.4220


 4.9043, 0.5152,
0.4848

 91.1219, 0.4116,
0.4150

 2.1912, 0.5236,
0.4764

 117.6552, 0.4041,
0.4088

 0.7152, 0.5429,
0.4571

 148.8958, 0.3976,
0.4034

 0.0000, 0.0000,
0.0000

 185.2281, 0.3919,

0.3987

227.0365, 0.3869,
0.3945

■ 24.3739, 0.4567,
0.4498

■ 24.3739, 0.4567,
0.4498

■ 22.9591, 0.4717,
0.4535

■ 25.9102, 0.4392,
0.4415

■ 21.6496, 0.4840,
0.4529

■ 27.5715, 0.4199,
0.4292

■ 21.5031, 0.4855,
0.4527

■ 29.3654, 0.4000,
0.4141

■ 31.2974, 0.3801,
0.3972

■ 33.3727, 0.3609,
0.3793

■ 35.5962, 0.3429,
0.3614

■ 37.9722, 0.3262,
0.3439

■ 40.5051, 0.3110,
0.3271

■ 43.1988, 0.2973,
0.3113

Harmonies

Analogous

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



24.3739, 0.4934, 0.3857



24.3739, 0.4567, 0.4498



24.3739, 0.3846, 0.4959

Triad

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



24.3739, 0.4567, 0.4498



24.3739, 0.1727, 0.3045



24.3739, 0.3046, 0.2187

Complementary

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



24.3739, 0.4567, 0.4498



8.5823, 0.1823, 0.1471

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.



24.3739, 0.2252, 0.1958



24.3739, 0.4567, 0.4498



24.3739, 0.1589, 0.2325

Square

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



24.3739, 0.4567, 0.4498



24.3739, 0.2211, 0.4063



24.3739, 0.1765, 0.1987



24.3739, 0.4001, 0.2630

Rectangle

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



24.3739, 0.4567, 0.4498



24.3739, 0.3275, 0.4983



24.3739, 0.1765, 0.1987



24.3739, 0.2751, 0.2084

Sweetspot

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



24.3751, 0.4567, 0.4498



62.2865, 0.3528, 0.3714



10.3633, 0.4991, 0.2781



13.5830, 0.3592, 0.3777



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.3751, 0.4567, 0.4498



39.7685, 0.4813, 0.4530



34.9406, 0.3866, 0.5108



8.3806, 0.3269, 0.3446



15.9173, 0.4846, 0.4534



0.4713, 0.4586, 0.4741

Inverse Universe

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



8.5823, 0.1823, 0.1471



10.4483, 0.1644, 0.1083



5.1403, 0.1831, 0.0962



7.6610, 0.2986, 0.3129



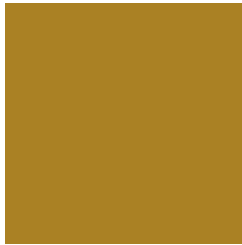
4.0310, 0.1623, 0.1041



0.1874, 0.1810, 0.1717

Previews

White Background



This preview shows how the Yxy color 24.3739, 0.4567, 0.4498 looks on a white background.

Color Contrast Check

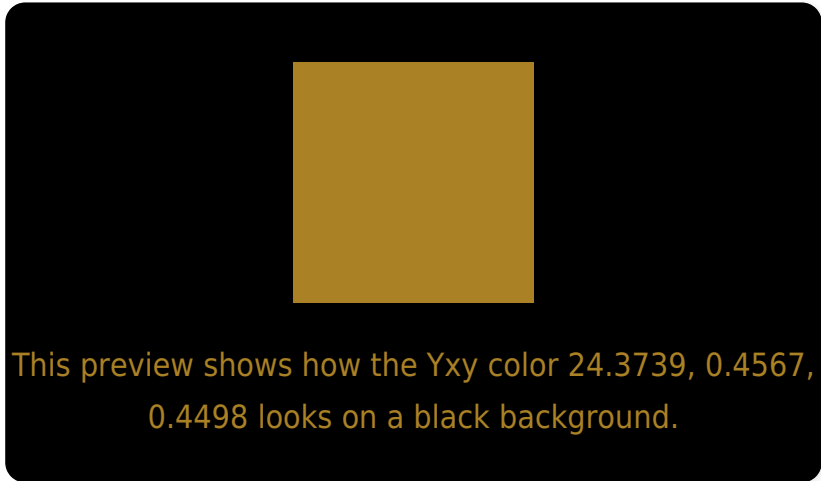
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3739, 0.4567, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 24.3739, 0.4567, 0.4498.



This preview shows how white text looks on a background with the Yxy color 24.3739, 0.4567, 0.4498.

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

24.3739, 0.4567, 0.4498

Protanopia

24.4237, 0.4258, 0.4705

Deuteranopia

24.3739, 0.4567, 0.4498



Tritanopia

24.2748, 0.3710, 0.3144

Trichromacy



Original Color

24.3739, 0.4567, 0.4498

Protanomaly

24.2796, 0.4383, 0.4623

Deuteranomaly

24.3739, 0.4567, 0.4498

Tritanomaly

24.0091, 0.4103, 0.3696

Monochromacy



Original Color

24.3739, 0.4567, 0.4498

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.8295, 0.3695, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3739, 0.4567, 0.4498 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(170, 129, 36)` looks like.

```
.text, #text, p{  
    color:rgb(170, 129, 36)  
}
```

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(170, 129, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 129, 36) }
```

Border

The CSS property to change the border of an element to Yxy 24.3739, 0.4567, 0.4498 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(170, 129, 36) }
```

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

```
.border{ border-color:rgb(170, 129, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 129, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 129, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 129, 36);  
box-shadow:4px 4px 4px 4px rgb(170, 129,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3739, 0.4567, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 129, 36) }
```

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

```
.background{ background-color: rgb(170,  
129, 36) }
```

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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