

Converting Colors

$Y_{xy}(23.4077, 0.4550, 0.4484)$

Have a look what the booklet for
Yxy(23.4077, 0.4550, 0.4484)
contains.

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Color

Yxy(23.5278, 0.4552, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	A77F25
RGB	167, 127, 37
RGB Percent	65%, 50%, 15%
CMY	0.3450, 0.5020, 0.8549
CMYK	0.00, 0.24, 0.78, 0.35
HSL	42°, 64%, 40%
HSV	42°, 78%, 65%
XYZ	23.8633, 23.5278, 5.0327
YIQ	128.7000, 52.7300, -19.5100

Conversions

Conversions Part 2

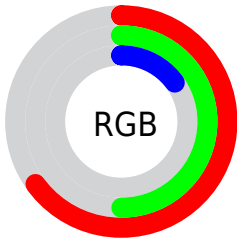
Format	Color
RYB	95, 167, 37
Decimal	10977061
CIELab	55.61, 6.76, 51.69
CIELCh	56, 52.133, 82.553
Yxy	23.5278, 0.4552, 0.4488
Android (android.graphics.Color)	4289167141 (0xFFA77F25)
YUV	128.7000, -45.2081, 33.5891
Hunter-Lab	48.5055, 2.9324, 27.8022

Details

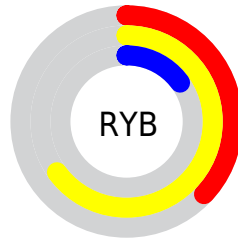
The Yxy color **23.5278, 0.4552, 0.4488** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4943, 0.1838, 0.1502**, and the grayscale version is **21.9905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1302, 0.4295, 0.4281**, and **8.8283, 0.4802, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **22.1526, 0.4706, 0.4530**, and if you desaturate by 10%, it is **25.0211, 0.4374, 0.4400**.

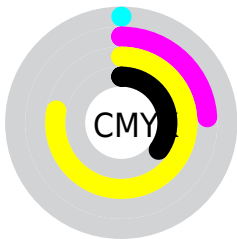
Distribution



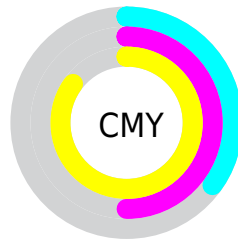
- Red (65%)
- Green (50%)
- Blue (15%)



- Red (37%)
- Yellow (65%)
- Blue (15%)



- Cyan (0%)
- Magenta (24%)
- Yellow (78%)
- Black (35%)




- Cyan (35%)
- Magenta (50%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5278, 0.4552, 0.4488 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 23.5278, 0.4552, 0.4488 by changing the saturation by 10% instead.


 23.5278, 0.4552,
0.4488


 23.5278, 0.4552,
0.4488


 270.4244, 0.3812,
0.3896


 14.9837, 0.4718,
0.4604


 49.2585, 0.4289,
0.4289


 8.8080, 0.4912,
0.4724


 67.2140, 0.4187,
0.4208


 4.6161, 0.5150,
0.4850

 89.0753, 0.4100,
0.4137

 2.0238, 0.5236,
0.4764

 115.2270, 0.4026,
0.4076

 0.6213, 0.5487,
0.4513

 146.0533, 0.3961,
0.4022

 0.0000, 0.0000,
0.0000

 181.9387, 0.3905,

0.3975

223.2676, 0.3856,
0.3933

■ 23.5278, 0.4552,
0.4488

■ 23.5278, 0.4552,
0.4488

■ 22.1526, 0.4706,
0.4530

■ 25.0211, 0.4374,
0.4400

■ 20.8814, 0.4832,
0.4527

■ 26.6357, 0.4180,
0.4275

■ 20.6187, 0.4858,
0.4524

■ 28.3788, 0.3980,
0.4122

■ 30.2558, 0.3781,
0.3952

■ 32.2716, 0.3591,
0.3774

■ 34.4307, 0.3411,
0.3595

■ 36.7374, 0.3246,
0.3421

■ 39.1957, 0.3096,
0.3255

■ 41.8096, 0.2961,
0.3099

Harmonies

Analogous

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



23.5278, 0.4912, 0.3855



23.5278, 0.4552, 0.4488



23.5278, 0.3840, 0.4939

Triad

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



23.5278, 0.4552, 0.4488



23.5278, 0.1743, 0.3049



23.5278, 0.3049, 0.2199

Complementary

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



23.5278, 0.4552, 0.4488



8.4943, 0.1838, 0.1502

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.



23.5278, 0.2263, 0.1972



23.5278, 0.4552, 0.4488



23.5278, 0.1605, 0.2337

Square

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



23.5278, 0.4552, 0.4488



23.5278, 0.2222, 0.4052



23.5278, 0.1779, 0.2001



23.5278, 0.3991, 0.2639

Rectangle

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



23.5278, 0.4552, 0.4488



23.5278, 0.3276, 0.4959



23.5278, 0.1779, 0.2001



23.5278, 0.2757, 0.2097

Sweetspot

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



23.5290, 0.4552, 0.4488



59.4614, 0.3509, 0.3694



10.0930, 0.4952, 0.2779



13.0089, 0.3573, 0.3757



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.5290, 0.4552, 0.4488



38.0905, 0.4793, 0.4530



33.6358, 0.3863, 0.5093



8.3782, 0.3269, 0.3446



15.8625, 0.4851, 0.4531



0.4703, 0.4588, 0.4739

Inverse Universe

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



8.4943, 0.1838, 0.1502



10.4391, 0.1661, 0.1129



5.1000, 0.1848, 0.0986



7.6633, 0.2986, 0.3129



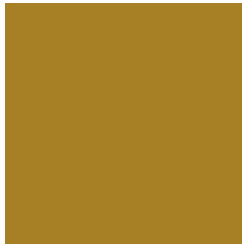
4.0523, 0.1624, 0.1045



0.1883, 0.1812, 0.1723

Previews

White Background



This preview shows how the Yxy color 23.5278, 0.4552, 0.4488 looks on a white background.

Color Contrast Check

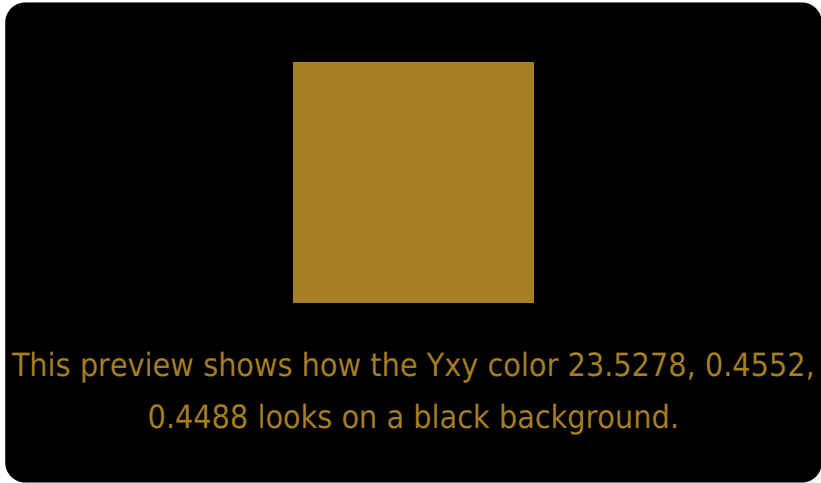
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5278, 0.4552, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 23.5278, 0.4552, 0.4488.



This preview shows how white text looks on a background with the Yxy color 23.5278, 0.4552, 0.4488.

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

23.5278, 0.4552, 0.4488

Protanopia

23.6807, 0.4251, 0.4688

Deuteranopia

23.6371, 0.4563, 0.4481



Tritanopia

23.6364, 0.3703, 0.3156

Trichromacy



Original Color

23.5278, 0.4552, 0.4488

Protanomaly

23.4405, 0.4365, 0.4614

Deuteranomaly

23.6371, 0.4563, 0.4481

Tritanomaly

23.4032, 0.4085, 0.3703

Monochromacy



Original Color

23.5278, 0.4552, 0.4488

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1225, 0.3680, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5278, 0.4552, 0.4488 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(167, 127, 37)` looks like.

```
.text, #text, p{  
    color:rgb(167, 127, 37)  
}
```

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(167, 127, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 127, 37) }
```

Border

The CSS property to change the border of an element to Yxy 23.5278, 0.4552, 0.4488 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(167, 127, 37) }
```

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

```
.border{ border-color:rgb(167, 127, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 127, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 127, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 127, 37);  
box-shadow:4px 4px 4px 4px rgb(167, 127,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5278, 0.4552, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 127, 37) }
```

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

```
.background{ background-color: rgb(167,  
127, 37) }
```

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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