

Converting Colors

$Y_{xy}(23.5553, 0.4636, 0.4609)$

Have a look what the booklet for
Yxy(23.5553, 0.4636, 0.4609)
contains.

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Color

Yxy(23.4379, 0.4641, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	A77F12
RGB	167, 127, 18
RGB Percent	65%, 50%, 7%
CMY	0.3452, 0.5019, 0.9295
CMYK	0.00, 0.24, 0.89, 0.35
HSL	44°, 81%, 36%
HSV	44°, 89%, 65%
XYZ	23.6314, 23.4379, 3.8495
YIQ	126.5340, 58.8290, -25.4190

Conversions

Conversions Part 2

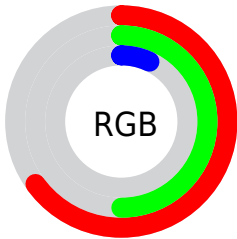
Format	Color
R_{YB}	73, 167, 18
Decimal	10977042
CIE _{Lab}	55.52, 6.12, 57.67
CIE _{LCh}	56, 57.994, 83.938
Yxy	23.4379, 0.4641, 0.4603
Android (android.graphics.Color)	4289167122 (0xFFA77F12)
YUV	126.5340, -53.5073, 35.4887
Hunter-Lab	48.4127, 2.4079, 29.1745

Details

The Yxy color **23.4379, 0.4641, 0.4603** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.9377, 0.1682, 0.1144**, and the grayscale version is **21.2264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9308, 0.4378, 0.4391**, and **8.7638, 0.4786, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **22.2668, 0.4749, 0.4605**, and if you desaturate by 10%, it is **24.6978, 0.4508, 0.4560**.

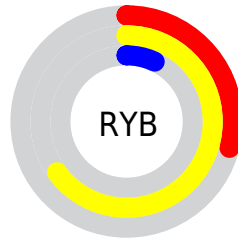
Distribution



Red (65%)

Green (50%)

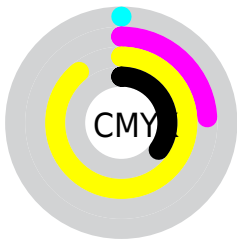
Blue (7%)



Red (29%)

Yellow (65%)

Blue (7%)

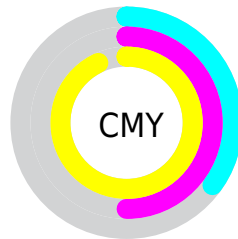


Cyan (0%)

Magenta (24%)

Yellow (89%)

Black (35%)



Cyan (35%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4379, 0.4641, 0.4603 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 23.4379, 0.4641, 0.4603 by changing the saturation by 10% instead.


 23.4379, 0.4641,
0.4603


 23.4379, 0.4641,
0.4603


269.9662, 0.3874,
0.3970

 14.9172, 0.4798,
0.4714


 49.1114, 0.4378,
0.4398


 8.7613, 0.5007,
0.4855


 67.0329, 0.4273,
0.4312

 4.5858, 0.5125,
0.4875

 88.8568, 0.4182,
0.4236

 2.0064, 0.5204,
0.4796

 114.9676, 0.4103,
0.4169

 0.6112, 0.5444,
0.4556


 145.7495, 0.4034,
0.4110


 0.0000, 0.0000,
0.0000

 181.5869, 0.3974,


0.4058


 222.8644, 0.3921,
0.4012


 23.4379, 0.4641,
0.4603


 23.4379, 0.4641,
0.4603


 22.2668, 0.4749,
0.4605

 24.6978, 0.4508,
0.4560

 22.1795, 0.4757,
0.4605

 26.0556, 0.4349,
0.4472

 27.5192, 0.4171,
0.4345

 29.0942, 0.3984,
0.4188

 30.7857, 0.3794,
0.4012

■ 32.5984, 0.3609,
0.3826

■ 34.5366, 0.3432,
0.3638

■ 36.6042, 0.3267,
0.3453

■ 38.8051, 0.3116,
0.3277

Harmonies

Analogous

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



23.4379, 0.5084, 0.3904



23.4379, 0.4641, 0.4603



23.4379, 0.3840, 0.5126

Triad

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



23.4379, 0.4641, 0.4603



23.4379, 0.1597, 0.2960



23.4379, 0.3079, 0.2119

Complementary

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



23.4379, 0.4641, 0.4603



5.9377, 0.1682, 0.1144

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.



23.4379, 0.2208, 0.1863



23.4379, 0.4641, 0.4603



23.4379, 0.1475, 0.2207

Square

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



23.4379, 0.4641, 0.4603



23.4379, 0.2088, 0.4090



23.4379, 0.1677, 0.1874



23.4379, 0.4130, 0.2598

Rectangle

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



23.4379, 0.4641, 0.4603



23.4379, 0.3221, 0.5156



23.4379, 0.1677, 0.1874



23.4379, 0.2755, 0.2006

Sweetspot

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



23.4391, 0.4641, 0.4603



58.9881, 0.3577, 0.3793



8.9733, 0.5459, 0.2887



12.9549, 0.3636, 0.3854



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.



23.4391, 0.4641, 0.4603



39.3774, 0.4769, 0.4595



32.7987, 0.3830, 0.5264



8.4283, 0.3268, 0.3454



17.0605, 0.4751, 0.4610



0.4926, 0.4531, 0.4784

Inverse Universe

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



5.9377, 0.1682, 0.1144



8.0365, 0.1586, 0.0910



3.9058, 0.1728, 0.0793



7.6158, 0.2986, 0.3120



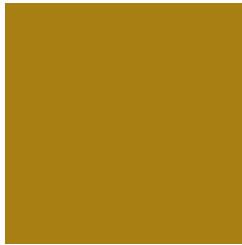
3.6303, 0.1598, 0.0954



0.1707, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 23.4379, 0.4641, 0.4603 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 23.4379, 0.4641, 0.4603 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 23.4379, 0.4641, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 23.4379, 0.4641, 0.4603.



This preview shows how white text looks on a background with the Yxy color 23.4379, 0.4641, 0.4603.

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

23.4379, 0.4641, 0.4603

Protanopia

23.5847, 0.4341, 0.4822

Deuteranopia

23.2936, 0.4663, 0.4578



Tritanopia

23.3734, 0.3719, 0.3156

Trichromacy



Original Color

23.4379, 0.4641, 0.4603

Protanomaly

23.3475, 0.4455, 0.4740

Deuteranomaly

23.2936, 0.4663, 0.4578

Tritanomaly

23.0208, 0.4191, 0.3805

Monochromacy



Original Color

23.4379, 0.4641, 0.4603

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6176, 0.3776, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4379, 0.4641, 0.4603 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(167, 127, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 127, 18) }
```

Border

The CSS property to change the border of an element to Yxy 23.4379, 0.4641, 0.4603 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, 18) }
```

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

```
.border{ border-color:rgb(167, 127, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 127, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 127, 18);  
box-shadow:4px 4px 4px 4px rgb(167, 127,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4379, 0.4641, 0.4603 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, 18) }
```

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

```
.background{ background-color: rgb(167,  
127, 18) }
```

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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