

Converting Colors

$Y_{xy}(23.4770, 0.4846, 0.4333)$

Have a look what the booklet for
Yxy(23.4770, 0.4846, 0.4333)
contains.

Yxy(23.4770, 0.4846, 0.4333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4770, 0.4846, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	B6781F
RGB	182, 120, 31
RGB Percent	71%, 47%, 12%
CMY	0.2863, 0.5294, 0.8782
CMYK	0.00, 0.34, 0.83, 0.29
HSL	35°, 71%, 42%
HSV	35°, 83%, 71%
XYZ	26.2565, 23.4770, 4.4483
YIQ	128.3920, 65.5210, -14.5350

Conversions

Conversions Part 2

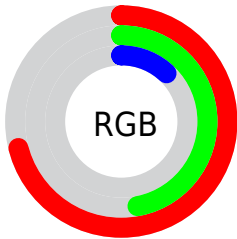
Format	Color
R_{YB}	136, 182, 31
Decimal	11958303
CIE Lab	55.56, 17.19, 54.50
CIE LCh	56, 57.144, 72.494
Yxy	23.4770, 0.4846, 0.4333
Android (android.graphics.Color)	4290148383 (0xFFB6781F)
YUV	128.3920, -48.0143, 47.0142
Hunter-Lab	48.4531, 11.9356, 28.4739

Details

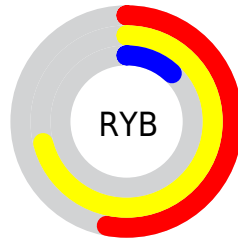
The Yxy color **23.4770, 0.4846, 0.4333** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.5104, 0.1841, 0.1639**, and the grayscale version is **21.8862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0224, 0.4525, 0.4188**, and **8.7916, 0.5155, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **21.6789, 0.5030, 0.4325**, and if you desaturate by 10%, it is **25.4721, 0.4632, 0.4290**.

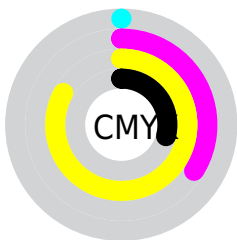
Distribution



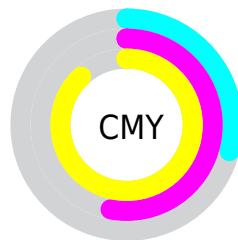
- Red (71%)
- Green (47%)
- Blue (12%)



- Red (53%)
- Yellow (71%)
- Blue (12%)



- Cyan (0%)
- Magenta (34%)
- Yellow (83%)
- Black (29%)



- Cyan (29%)
- Magenta (53%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4770, 0.4846, 0.4333 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 23.4770, 0.4846, 0.4333 by changing the saturation by 10% instead.


 23.4770, 0.4846,
0.4333


 23.4770, 0.4846,
0.4333


270.1656, 0.3949,
0.3862


 14.9461, 0.5048,
0.4400


 49.1754, 0.4527,
0.4191

 8.7816, 0.5299,
0.4459


 67.1117, 0.4404,
0.4128


 4.5990, 0.5558,
0.4442

 88.9519, 0.4298,
0.4070

 2.0140, 0.5760,
0.4240

 115.0804, 0.4208,
0.4019

 0.6156, 0.6226,
0.3774

 145.8816, 0.4130,
0.3973

 0.0000, 0.0000,
0.0000

 181.7400, 0.4062,

0.3932

223.0398, 0.4002,
0.3895

23.4770, 0.4846,
0.4333

23.4770, 0.4846,
0.4333

21.6789, 0.5030,
0.4325

25.4721, 0.4632,
0.4290

20.5111, 0.5147,
0.4296

27.6716, 0.4401,
0.4202

30.0864, 0.4165,
0.4082

32.7253, 0.3934,
0.3940

35.5961, 0.3716,
0.3787

■ 38.7064, 0.3516,
0.3631

■ 42.0632, 0.3334,
0.3478

■ 45.6732, 0.3171,
0.3331

■ 49.5427, 0.3027,
0.3193

Harmonies

Analogous

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



23.4770, 0.5077, 0.3638



23.4770, 0.4846, 0.4333



23.4770, 0.4163, 0.4951

Triad

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



23.4770, 0.4846, 0.4333



23.4770, 0.1757, 0.3364



23.4770, 0.2717, 0.2007

Complementary

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



23.4770, 0.4846, 0.4333



11.5104, 0.1841, 0.1639

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.



23.4770, 0.1979, 0.1851



23.4770, 0.4846, 0.4333



23.4770, 0.1501, 0.2454

Square

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



23.4770, 0.4846, 0.4333



23.4770, 0.2384, 0.4495



23.4770, 0.1581, 0.1975



23.4770, 0.3723, 0.2405

Rectangle

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



23.4770, 0.4846, 0.4333



23.4770, 0.3577, 0.5154



23.4770, 0.1581, 0.1975



23.4770, 0.2434, 0.1926

Sweetspot

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



23.4782, 0.4846, 0.4333



68.7252, 0.3564, 0.3670



11.7363, 0.4820, 0.2595



14.7404, 0.3634, 0.3725



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



23.4782, 0.4846, 0.4333



36.7091, 0.5166, 0.4280



42.0385, 0.4022, 0.5057



9.8679, 0.3273, 0.3425



14.6176, 0.5133, 0.4307



0.6340, 0.4830, 0.4547

Inverse Universe

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



11.5104, 0.1841, 0.1639



14.7495, 0.1685, 0.1267



4.8886, 0.1673, 0.0821



9.3091, 0.2985, 0.3152



6.0401, 0.1699, 0.1318



0.3356, 0.1846, 0.1844

Previews

White Background



This preview shows how the Yxy color 23.4770, 0.4846, 0.4333 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 23.4770, 0.4846, 0.4333 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 23.4770, 0.4846, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 23.4770, 0.4846, 0.4333.



This preview shows how white text looks on a background with the Yxy color 23.4770, 0.4846, 0.4333.

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

23.4770, 0.4846, 0.4333

Protanopia

23.6556, 0.4274, 0.4723

Deuteranopia

23.5874, 0.4612, 0.4543



Tritanopia

23.5092, 0.4014, 0.3180

Trichromacy



Original Color

23.4770, 0.4846, 0.4333

Protanomaly

23.4974, 0.4485, 0.4574

Deuteranomaly

23.3882, 0.4704, 0.4461

Tritanomaly

23.2803, 0.4398, 0.3670

Monochromacy



Original Color

23.4770, 0.4846, 0.4333

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.7534, 0.3796, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4770, 0.4846, 0.4333 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(182, 120, 31)` looks like.

```
.text, #text, p{  
    color:rgb(182, 120, 31)  
}
```

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(182, 120, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 120, 31) }
```

Border

The CSS property to change the border of an element to Yxy 23.4770, 0.4846, 0.4333 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(182, 120, 31) }
```

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

```
.border{ border-color:rgb(182, 120, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 120, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 120, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 120, 31);  
box-shadow:4px 4px 4px 4px rgb(182, 120,  
31) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.4770, 0.4846, 0.4333$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 120, 31) }
```

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

```
.background{ background-color: rgb(182,  
120, 31) }
```

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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