

Converting Colors

$Y_{xy}(22.9405, 0.4825, 0.4363)$

Have a look what the booklet for
Yxy(22.9405, 0.4825, 0.4363)
contains.

Yxy(23.1054, 0.4825, 0.4367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.1054, 0.4825, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	B3781D
RGB	179, 120, 29
RGB Percent	70%, 47%, 11%
CMY	0.2980, 0.5294, 0.8864
CMYK	0.00, 0.33, 0.84, 0.30
HSL	36°, 72%, 41%
HSV	36°, 84%, 70%
XYZ	25.5286, 23.1054, 4.2751
YIQ	127.2670, 64.3750, -15.7930

Conversions

Conversions Part 2

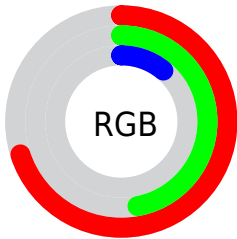
Format	Color
R _Y B	126, 179, 29
Decimal	11761693
CIE Lab	55.18, 15.79, 54.75
CIE LCh	55, 56.980, 73.914
Yxy	23.1054, 0.4825, 0.4367
Android (android.graphics.Color)	4289951773 (0xFFB3781D)
YUV	127.2670, -48.4456, 45.3698
Hunter-Lab	48.0681, 10.6810, 28.3745

Details

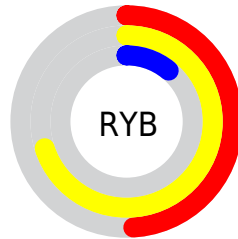
The Yxy color **23.1054, 0.4825, 0.4367** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.4908, 0.1820, 0.1574**, and the grayscale version is **21.4735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4650, 0.4513, 0.4217**, and **8.6997, 0.5090, 0.4340** is the 20% darker color. If you saturate the color by 10%, you get **21.4108, 0.4998, 0.4359**, and if you desaturate by 10%, it is **24.9782, 0.4622, 0.4324**.

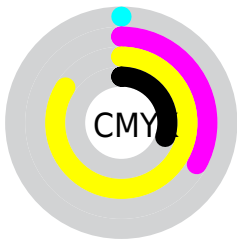
Distribution



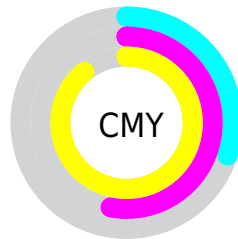
- Red (70%)
- Green (47%)
- Blue (11%)



- Red (49%)
- Yellow (70%)
- Blue (11%)



- Cyan (0%)
- Magenta (33%)
- Yellow (84%)
- Black (30%)




- Cyan (30%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1054, 0.4825, 0.4367 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 23.1054, 0.4825, 0.4367 by changing the saturation by 10% instead.


 23.1054, 0.4825,
0.4367


 23.1054, 0.4825,
0.4367


268.2659, 0.3940,
0.3875


 14.6714, 0.5023,
0.4439


 48.5663, 0.4511,
0.4217


 8.5891, 0.5274,
0.4509

 66.3620, 0.4389,
0.4151


 4.4741, 0.5510,
0.4490

 88.0470, 0.4285,
0.4091

 1.9422, 0.5701,
0.4299

 114.0058, 0.4196,
0.4037

 0.5735, 0.6195,
0.3805

 144.6226, 0.4119,
0.3990

 0.0000, 0.0000,
0.0000

 180.2820, 0.4051,

0.3947

221.3683, 0.3992,
0.3909

23.1054, 0.4825,
0.4367

23.1054, 0.4825,
0.4367

21.4108, 0.4998,
0.4359

24.9782, 0.4622,
0.4324

20.4379, 0.5096,
0.4336

27.0361, 0.4399,
0.4236

29.2893, 0.4170,
0.4115

31.7457, 0.3944,
0.3971

34.4128, 0.3729,
0.3815

■ 37.2974, 0.3530,
0.3655

■ 40.4060, 0.3348,
0.3497

■ 43.7448, 0.3185,
0.3346

■ 47.3195, 0.3039,
0.3203

Harmonies

Analogous

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



23.1054, 0.5084, 0.3670



23.1054, 0.4825, 0.4367



23.1054, 0.4125, 0.4977

Triad

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



23.1054, 0.4825, 0.4367



23.1054, 0.1734, 0.3312



23.1054, 0.2759, 0.2018

Complementary

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



23.1054, 0.4825, 0.4367



10.4908, 0.1820, 0.1574

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.



23.1054, 0.2004, 0.1849



23.1054, 0.4825, 0.4367



23.1054, 0.1494, 0.2419

Square

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



23.1054, 0.4825, 0.4367



23.1054, 0.2345, 0.4450



23.1054, 0.1589, 0.1959



23.1054, 0.3775, 0.2427

Rectangle

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



23.1054, 0.4825, 0.4367



23.1054, 0.3533, 0.5161



23.1054, 0.1589, 0.1959



23.1054, 0.2470, 0.1933

Sweetspot

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



23.1066, 0.4825, 0.4367



65.9389, 0.3561, 0.3680



11.1825, 0.4899, 0.2630



14.2062, 0.3629, 0.3736



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.1066, 0.4825, 0.4367



36.1543, 0.5114, 0.4321



40.2214, 0.4000, 0.5083



9.3344, 0.3272, 0.3428



14.5718, 0.5082, 0.4347



0.5682, 0.4774, 0.4591

Inverse Universe

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



10.4908, 0.1820, 0.1574



13.3544, 0.1672, 0.1218



4.6674, 0.1677, 0.0814



8.7602, 0.2985, 0.3148



5.5491, 0.1686, 0.1269



0.2900, 0.1847, 0.1849

Previews

White Background



This preview shows how the Yxy color 23.1054, 0.4825, 0.4367 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 23.1054, 0.4825, 0.4367 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 23.1054, 0.4825, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 23.1054, 0.4825, 0.4367.



This preview shows how white text looks on a background with the Yxy color 23.1054, 0.4825, 0.4367.

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

23.1054, 0.4825, 0.4367

Protanopia

23.2689, 0.4289, 0.4743

Deuteranopia

23.2118, 0.4623, 0.4550



Tritanopia

23.1348, 0.3977, 0.3178

Trichromacy



Original Color

23.1054, 0.4825, 0.4367

Protanomaly

23.0109, 0.4490, 0.4600

Deuteranomaly

23.1524, 0.4692, 0.4488

Tritanomaly

22.8947, 0.4375, 0.3690

Monochromacy



Original Color

23.1054, 0.4825, 0.4367

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2816, 0.3800, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1054, 0.4825, 0.4367 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(179, 120, 29)` looks like.

```
.text, #text, p{  
    color:rgb(179, 120, 29)  
}
```

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(179, 120, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 120, 29) }
```

Border

The CSS property to change the border of an element to Yxy 23.1054, 0.4825, 0.4367 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(179, 120, 29) }
```

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

```
.border{ border-color:rgb(179, 120, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 120, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 120, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 120, 29);  
box-shadow:4px 4px 4px 4px rgb(179, 120,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1054, 0.4825, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 120, 29) }
```

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

```
.background{ background-color: rgb(179,  
120, 29) }
```

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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