

Converting Colors

$Y_{xy}(23.1415, 0.3781, 0.5380)$

Have a look what the booklet for
Yxy(23.1415, 0.3781, 0.5380)
contains.

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Color

Yxy(23.1977, 0.3777, 0.5383)

Conversions

Conversions Part 1

Format	Color
Hex	6D9000
RGB	109, 144, 0
RGB Percent	43%, 56%, 0%
CMY	0.5727, 0.4353, 0.9999
CMYK	0.24, 0.00, 1.00, 0.44
HSL	75°, 100%, 28%
HSV	75°, 100%, 56%
XYZ	16.2767, 23.1977, 3.6199
YIQ	117.1190, 25.3640, -52.2040

Conversions

Conversions Part 2

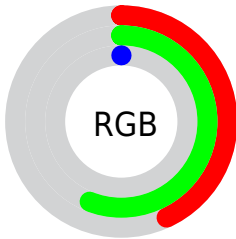
Format	Color
RYB	0, 144, 35
Decimal	7180288
CIELab	55.28, -29.56, 58.58
CIELCh	55, 65.615, 116.778
Yxy	23.1977, 0.3777, 0.5383
Android (android.graphics.Color)	4285370368 (0xFF6D9000)
YUV	117.1190, -57.7397, -7.1204
Hunter-Lab	48.1640, -23.9639, 29.2587

Details

The Yxy color **23.1977, 0.3777, 0.5383** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3728, 0.1654, 0.0685**, and the grayscale version is **18.0039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7104, 0.3718, 0.4951**, and **8.6695, 0.3556, 0.5559** is the 20% darker color. If you saturate the color by 10%, you get **23.1984, 0.3777, 0.5383**, and if you desaturate by 10%, it is **23.4582, 0.3790, 0.5292**.

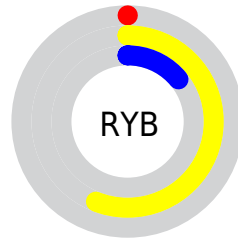
Distribution



Red (43%)

Green (56%)

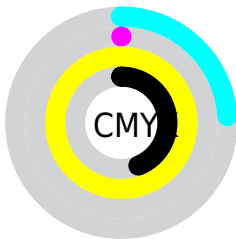
Blue (0%)



Red (0%)

Yellow (56%)

Blue (14%)

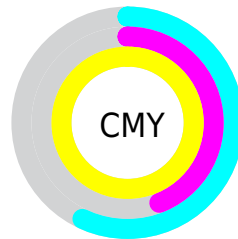


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (57%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1977, 0.3777, 0.5383 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 23.1977, 0.3777, 0.5383 by changing the saturation by 10% instead.


 23.1977, 0.3777,
0.5383


 23.1977, 0.3777,
0.5383


268.7388, 0.3521,
0.4220


 14.7396, 0.3778,
0.5675


 48.7177, 0.3720,
0.4947


 8.6368, 0.3776,
0.6113


 66.5484, 0.3686,
0.4785


 4.5051, 0.3553,
0.6447

 88.2721, 0.3652,
0.4650

 1.9599, 0.3114,
0.6886

 114.2731, 0.3621,
0.4537

 0.5840, 0.0000,
1.0000


 144.9359, 0.3592,
0.4440


 0.0000, 0.0000,
0.0000


 180.6449, 0.3566,


0.4356


 221.7844, 0.3542,
0.4283


 23.1977, 0.3777,
0.5383


 23.1977, 0.3777,
0.5383


 23.1984, 0.3777,
0.5383

 23.4582, 0.3790,
0.5292

 23.7488, 0.3784,
0.5167

 24.0818, 0.3755,
0.4999

 24.4612, 0.3702,
0.4793

 24.8909, 0.3630,
0.4558

■ 25.3739, 0.3542,
0.4305

■ 25.9132, 0.3443,
0.4043

■ 26.5116, 0.3339,
0.3783

■ 27.1713, 0.3232,
0.3530

Harmonies

Analogous

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



23.1977, 0.4700, 0.4771



23.1977, 0.3777, 0.5383



23.1977, 0.2754, 0.5230

Triad

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



23.1977, 0.3777, 0.5383



23.1977, 0.1322, 0.2020



23.1977, 0.4367, 0.2573

Complementary

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



23.1977, 0.3777, 0.5383



2.3728, 0.1654, 0.0685

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.



23.1977, 0.3171, 0.2038



23.1977, 0.3777, 0.5383



23.1977, 0.1570, 0.1712

Square

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



23.1977, 0.3777, 0.5383



23.1977, 0.1406, 0.2791



23.1977, 0.2174, 0.1737



23.1977, 0.5207, 0.3245

Rectangle

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



23.1977, 0.3777, 0.5383



23.1977, 0.2138, 0.4527



23.1977, 0.2174, 0.1737



23.1977, 0.3976, 0.2373

Sweetspot

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



23.1987, 0.3777, 0.5383



45.6349, 0.3450, 0.4060



7.0525, 0.6080, 0.3554



10.3805, 0.3488, 0.4159



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.1987, 0.3777, 0.5383



40.8300, 0.3769, 0.5390



20.3698, 0.3125, 0.5900



6.2202, 0.3224, 0.3510



20.2096, 0.3779, 0.5381



0.2034, 0.3987, 0.5216

Inverse Universe

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



2.3728, 0.1654, 0.0685



4.1164, 0.1638, 0.0676



5.0548, 0.2556, 0.1182



5.3144, 0.3025, 0.3065



2.0751, 0.1658, 0.0687



0.0288, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 23.1977, 0.3777, 0.5383 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 23.1977, 0.3777, 0.5383 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 23.1977, 0.3777, 0.5383

Background



This preview shows how black text looks on a background with the Yxy color 23.1977, 0.3777, 0.5383.



This preview shows how white text looks on a background with the Yxy color 23.1977, 0.3777, 0.5383.

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

23.1977, 0.3777, 0.5383

Protanopia

22.8921, 0.4405, 0.4884

Deuteranopia

22.8488, 0.4625, 0.4546



Tritanopia

23.2014, 0.2897, 0.3114

Trichromacy



Original Color

23.1977, 0.3777, 0.5383

Protanomaly

22.6767, 0.4168, 0.5072

Deuteranomaly

22.5627, 0.4315, 0.4860

Tritanomaly

22.7316, 0.3360, 0.4161

Monochromacy



Original Color

23.1977, 0.3777, 0.5383

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2506, 0.3552, 0.4338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1977, 0.3777, 0.5383 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(109, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 144, 0)  
}
```

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(109, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1977, 0.3777, 0.5383 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(109, 144, 0) }
```

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

```
.border{ border-color:rgb(109, 144, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1977, 0.3777, 0.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 144, 0) }
```

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

```
.background{ background-color: rgb(109,  
144, 0) }
```

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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