

Converting Colors

$Y_{xy}(23.7348, 0.3028, 0.5975)$

Have a look what the booklet for
Yxy(23.7348, 0.3028, 0.5975)
contains.

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Color

Yxy(23.8871, 0.3028, 0.5977)

Conversions

Conversions Part 1

Format	Color
Hex	109C00
RGB	16, 156, 0
RGB Percent	6%, 61%, 0%
CMY	0.9377, 0.3882, 0.9994
CMYK	0.90, 0.00, 1.00, 0.39
HSL	114°, 100%, 31%
HSV	114°, 100%, 61%
XYZ	12.1014, 23.8871, 3.9765
YIQ	96.3560, -33.3640, -78.1960

Conversions

Conversions Part 2

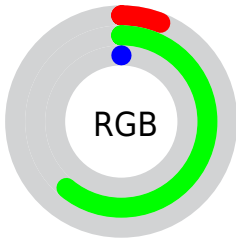
Format	Color
RYB	0, 156, 140
Decimal	1088512
CIELab	55.97, -58.70, 57.74
CIELCh	56, 82.336, 135.472
Yxy	23.8871, 0.3028, 0.5977
Android (android.graphics.Color)	4279278592 (0xFF109C00)
YUV	96.3560, -47.5035, -70.4722
Hunter-Lab	48.8744, -41.3333, 29.3881

Details

The Yxy color **23.8871, 0.3028, 0.5977** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.0006, 0.2959, 0.1404**, and the grayscale version is **11.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9621, 0.3150, 0.5360**, and **9.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.8867, 0.3028, 0.5978**, and if you desaturate by 10%, it is **24.0900, 0.3047, 0.5865**.

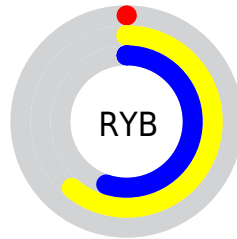
Distribution



Red (6%)

Green (61%)

Blue (0%)



Red (0%)

Yellow (61%)

Blue (55%)

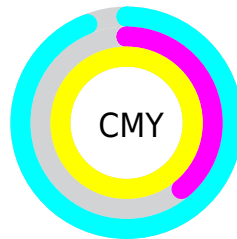


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (94%)


Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8871, 0.3028, 0.5977 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 23.8871, 0.3028, 0.5977 by changing the saturation by 10% instead.


 23.8871, 0.3028,
0.5977


 23.8871, 0.3028,
0.5977


272.2492, 0.3212,
0.4398


 15.2499, 0.2899,
0.6422


 49.8459, 0.3147,
0.5354


 8.9950, 0.2699,
0.7065


 67.9363, 0.3174,
0.5133

 4.7379, 0.2266,
0.7734

 89.9465, 0.3190,
0.4953

 2.0943, 0.1059,
0.8941

 116.2610, 0.3200,
0.4803


 0.6614, 0.0000,
1.0000

 147.2641, 0.3206,
0.4677

 0.0000, 0.0000,
0.0000

 183.3402, 0.3210,


0.4570


 224.8738, 0.3211,
0.4478


 23.8871, 0.3028,
0.5977

 23.8871, 0.3028,
0.5977

 23.8867, 0.3028,
0.5978

 24.0900, 0.3047,
0.5865

 24.4135, 0.3070,
0.5687

 24.8819, 0.3091,
0.5437

 25.5097, 0.3108,
0.5133

 26.3097, 0.3120,
0.4798

■ 27.2935, 0.3128,
0.4457

■ 28.4716, 0.3132,
0.4126

■ 29.8535, 0.3133,
0.3817

■ 31.4484, 0.3131,
0.3537

Harmonies

Analogous

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



23.8871, 0.4205, 0.5514



23.8871, 0.3028, 0.5977



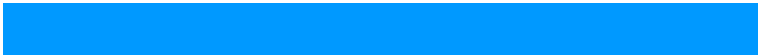
23.8871, 0.1930, 0.4949

Triad

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



23.8871, 0.3028, 0.5977



23.8871, 0.1172, 0.1516



23.8871, 0.5394, 0.2866

Complementary

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



23.8871, 0.3028, 0.5977



8.0006, 0.2959, 0.1404

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.



23.8871, 0.4089, 0.2167



23.8871, 0.3028, 0.5977



23.8871, 0.1676, 0.1436

Square

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



23.8871, 0.3028, 0.5977



23.8871, 0.1026, 0.2003



23.8871, 0.2654, 0.1660



23.8871, 0.5777, 0.3642

Rectangle

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



23.8871, 0.3028, 0.5977



23.8871, 0.1409, 0.3721



23.8871, 0.2654, 0.1660



23.8871, 0.5033, 0.2621

Sweetspot

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



23.8881, 0.3028, 0.5977



51.5512, 0.3132, 0.4148



25.1942, 0.4411, 0.4879



11.1526, 0.3131, 0.4275



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.8881, 0.3028, 0.5977



43.3411, 0.3022, 0.5982



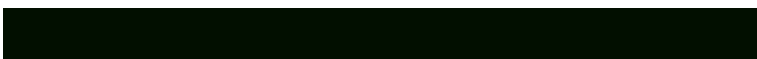
24.1045, 0.2820, 0.5351



7.4315, 0.3131, 0.3520



19.6818, 0.3030, 0.5976



0.3602, 0.3168, 0.5867

Inverse Universe

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



8.0006, 0.2959, 0.1404



14.4733, 0.2954, 0.1401



7.9207, 0.4451, 0.2226



6.7205, 0.3122, 0.3068



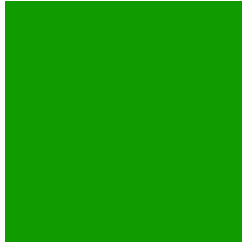
6.5946, 0.2961, 0.1405



0.1268, 0.3067, 0.1463

Previews

White Background



This preview shows how the Yxy color 23.8871, 0.3028, 0.5977 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 23.8871, 0.3028, 0.5977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

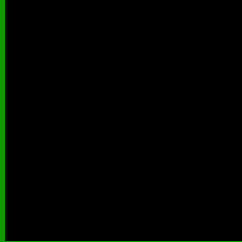
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8871, 0.3028, 0.5977

Background



This preview shows how black text looks on a background with the Yxy color 23.8871, 0.3028, 0.5977.



This preview shows how white text looks on a background with the Yxy color 23.8871, 0.3028, 0.5977.

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

23.8871, 0.3028, 0.5977

Protanopia

23.5342, 0.4390, 0.4896

Deuteranopia

23.6191, 0.4581, 0.4503



Tritanopia

23.8784, 0.2377, 0.3064

Trichromacy



Original Color

23.8871, 0.3028, 0.5977



Protanomaly

22.1127, 0.3702, 0.5443



Deuteranomaly

21.7456, 0.3829, 0.5190



Tritanomaly

23.0434, 0.2689, 0.4343

Monochromacy



Original Color

23.8871, 0.3028, 0.5977



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.4871, 0.3126, 0.4700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8871, 0.3028, 0.5977 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(16, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(16, 156, 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(16, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 156, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8871, 0.3028, 0.5977 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(16, 156, 0) }
```

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

```
.border{ border-color:rgb(16, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(16, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(16, 156, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.8871, 0.3028, 0.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 156, 0) }
```

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

```
.background{ background-color: rgb(16, 156,  
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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