

Converting Colors

$Y_{xy}(23.7562, 0.2948, 0.5935)$

Have a look what the booklet for
Yxy(23.7562, 0.2948, 0.5935)
contains.

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Color

Yxy(23.8143, 0.2977, 0.5916)

Conversions

Conversions Part 1

Format	Color
Hex	009C10
RGB	0, 156, 16
RGB Percent	0%, 61%, 6%
CMY	0.9994, 0.3882, 0.9371
CMYK	1.00, 0.00, 0.90, 0.39
HSL	126°, 100%, 31%
HSV	126°, 100%, 61%
XYZ	11.9836, 23.8143, 4.4561
YIQ	93.3960, -48.0360, -76.6120

Conversions

Conversions Part 2

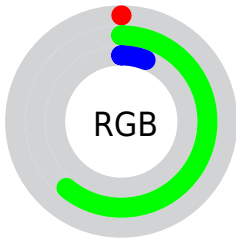
Format	Color
RYB	0, 141, 156
Decimal	39952
CIELab	55.90, -59.20, 55.05
CIELCh	56, 80.838, 137.083
Yxy	23.8143, 0.2977, 0.5916
Android (android.graphics.Color)	4278230032 (0xFF009C10)
YUV	93.3960, -38.1562, -81.9083
Hunter-Lab	48.7999, -41.5662, 28.7459

Details

The Yxy color **23.8143, 0.2977, 0.5916** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.9688, 0.3479, 0.1691**, and the grayscale version is **11.1566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7964, 0.3096, 0.5298**, and **9.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.8138, 0.2977, 0.5917**, and if you desaturate by 10%, it is **23.9788, 0.2970, 0.5775**.

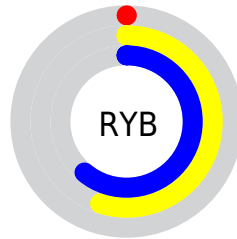
Distribution



Red (0%)

Green (61%)

Blue (6%)



Red (0%)

Yellow (55%)

Blue (61%)

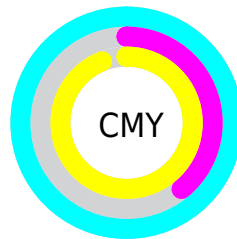


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (39%)



Cyan (100%)


Magenta (39%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8143, 0.2977, 0.5916 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 23.8143, 0.2977, 0.5916 by changing the saturation by 10% instead.


 23.8143, 0.2977,
0.5916


 23.8143, 0.2977,
0.5916


271.8803, 0.3179,
0.4363


 15.1959, 0.2850,
0.6364


 49.7270, 0.3099,
0.5298


 8.9570, 0.2640,
0.6986


 67.7901, 0.3128,
0.5081

 4.7131, 0.2240,
0.7760

 89.7702, 0.3147,
0.4904

 2.0800, 0.0988,
0.9012

 116.0518, 0.3159,
0.4758


 0.6533, 0.0000,
1.0000


 147.0192, 0.3168,
0.4635


 0.0000, 0.0000,
0.0000


 183.0568, 0.3173,


0.4531


 224.5491, 0.3176,
0.4441


 23.8143, 0.2977,
0.5916


 23.8143, 0.2977,
0.5916


 23.8138, 0.2977,
0.5917

 23.9788, 0.2970,
0.5775

 24.2560, 0.2966,
0.5568

 24.6864, 0.2969,
0.5302

 25.2881, 0.2981,
0.4998

 26.0767, 0.2999,
0.4675

■ 27.0660, 0.3022,
0.4354

■ 28.2685, 0.3047,
0.4048

■ 29.6958, 0.3074,
0.3766

■ 31.3584, 0.3101,
0.3512

Harmonies

Analogous

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



23.8143, 0.4142, 0.5536



23.8143, 0.2977, 0.5916



23.8143, 0.1902, 0.4824

Triad

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



23.8143, 0.2977, 0.5916



23.8143, 0.1210, 0.1525



23.8143, 0.5406, 0.2917

Complementary

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



23.8143, 0.2977, 0.5916



8.9688, 0.3479, 0.1691

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.



23.8143, 0.4155, 0.2216



23.8143, 0.2977, 0.5916



23.8143, 0.1733, 0.1461

Square

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



23.8143, 0.2977, 0.5916



23.8143, 0.1049, 0.1984



23.8143, 0.2729, 0.1699



23.8143, 0.5733, 0.3694

Rectangle

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



23.8143, 0.2977, 0.5916



23.8143, 0.1402, 0.3623



23.8143, 0.2729, 0.1699



23.8143, 0.5066, 0.2672

Sweetspot

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



23.8153, 0.2977, 0.5916



51.1785, 0.3046, 0.4068



29.3887, 0.4021, 0.5189



11.0660, 0.3035, 0.4186



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.



23.8153, 0.2977, 0.5916



43.2390, 0.2982, 0.5934



24.5799, 0.2622, 0.4638



7.4115, 0.3103, 0.3497



19.6181, 0.2975, 0.5910



0.3536, 0.2867, 0.5520

Inverse Universe

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



8.9688, 0.3479, 0.1691



16.2658, 0.3485, 0.1694



7.4247, 0.5344, 0.2718



6.7429, 0.3152, 0.3092



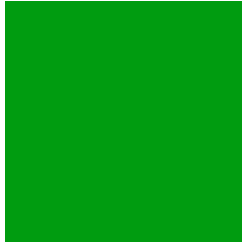
7.3872, 0.3477, 0.1689



0.1351, 0.3358, 0.1623

Previews

White Background



This preview shows how the Yxy color 23.8143, 0.2977, 0.5916 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 23.8143, 0.2977, 0.5916 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 23.8143, 0.2977, 0.5916

Background



This preview shows how black text looks on a background with the Yxy color 23.8143, 0.2977, 0.5916.



This preview shows how white text looks on a background with the Yxy color 23.8143, 0.2977, 0.5916.

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

23.8143, 0.2977, 0.5916

Protanopia

23.5408, 0.4384, 0.4886

Deuteranopia

23.2708, 0.4564, 0.4476



Tritanopia

23.8089, 0.2366, 0.3063

Trichromacy



Original Color

23.8143, 0.2977, 0.5916



Protanomaly

21.8503, 0.3629, 0.5453



Deuteranomaly

21.0442, 0.3724, 0.5185



Tritanomaly

23.0069, 0.2613, 0.4214

Monochromacy



Original Color

23.8143, 0.2977, 0.5916



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.8022, 0.3001, 0.4601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8143, 0.2977, 0.5916 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(0, 156, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 16)  
}
```

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(0, 156, 16) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 23.8143, 0.2977, 0.5916 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(0, 156, 16) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 23.8143, 0.2977, 0.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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