

Converting Colors

$Y_{xy}(23.9188, 0.2965, 0.5788)$

Have a look what the booklet for
Yxy(23.9188, 0.2965, 0.5788)
contains.

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Color

Yxy(23.9438, 0.2966, 0.5791)

Conversions

Conversions Part 1

Format	Color
Hex	0C9C1D
RGB	12, 156, 29
RGB Percent	5%, 61%, 11%
CMY	0.9525, 0.3882, 0.8861
CMYK	0.92, 0.00, 0.81, 0.39
HSL	127°, 86%, 33%
HSV	127°, 92%, 61%
XYZ	12.2634, 23.9438, 5.1394
YIQ	98.4660, -45.0570, -70.0250

Conversions

Conversions Part 2

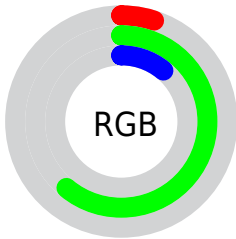
Format	Color
RYB	12, 141, 156
Decimal	826397
CIELab	56.03, -57.83, 51.91
CIElCh	56, 77.710, 138.084
Yxy	23.9438, 0.2966, 0.5791
Android (android.graphics.Color)	4279016477 (0xFF0C9C1D)
YUV	98.4660, -34.2467, -75.8307
Hunter-Lab	48.9324, -40.8962, 28.0254

Details

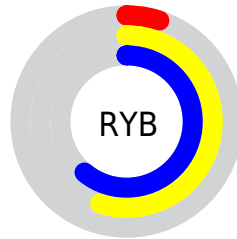
The Yxy color **23.9438, 0.2966, 0.5791** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.2006, 0.3494, 0.1737**, and the grayscale version is **12.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0542, 0.3083, 0.5203**, and **9.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.8216, 0.2972, 0.5900**, and if you desaturate by 10%, it is **24.1928, 0.2958, 0.5594**.

Distribution



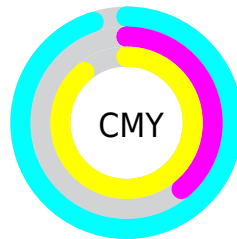
- Red (5%)
- Green (61%)
- Blue (11%)



- Red (5%)
- Yellow (55%)
- Blue (61%)



- Cyan (92%)
- Magenta (0%)
- Yellow (81%)
- Black (39%)





- Cyan (95%)
- Magenta (39%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9438, 0.2966, 0.5791 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 23.9438, 0.2966, 0.5791 by changing the saturation by 10% instead.


 23.9438, 0.2966,
0.5791


 23.9438, 0.2966,
0.5791

272.5362, 0.3160,
0.4308


 15.2919, 0.2849,
0.6227


 49.9385, 0.3079,
0.5197

 9.0245, 0.2647,
0.6814


 68.0501, 0.3107,
0.4990

 4.7572, 0.2307,
0.7693

 90.0837, 0.3126,
0.4822

 2.1055, 0.1156,
0.8844

 116.4238, 0.3138,
0.4683

 0.6677, 0.0000,
1.0000

 147.4547, 0.3147,
0.4566

 0.0000, 0.0000,
0.0000

 183.5608, 0.3153,

0.4467

225.1265, 0.3157,
0.4382

■ 23.9438, 0.2966,
0.5791

■ 23.9438, 0.2966,
0.5791

■ 23.8216, 0.2972,
0.5900

■ 24.1928, 0.2958,
0.5594

■ 24.5886, 0.2959,
0.5339

■ 25.1507, 0.2968,
0.5042

■ 25.8952, 0.2985,
0.4726

■ 26.8360, 0.3008,
0.4407

■ 27.9858, 0.3035,
0.4102

■ 29.3561, 0.3063,
0.3819

■ 30.9577, 0.3092,
0.3564

■ 32.8005, 0.3121,
0.3337

Harmonies

Analogous

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



23.9438, 0.4101, 0.5500



23.9438, 0.2966, 0.5791



23.9438, 0.1923, 0.4699

Triad

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



23.9438, 0.2966, 0.5791



23.9438, 0.1272, 0.1569



23.9438, 0.5346, 0.2965

Complementary

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



23.9438, 0.2966, 0.5791



9.2006, 0.3494, 0.1737

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.



23.9438, 0.4166, 0.2272



23.9438, 0.2966, 0.5791



23.9438, 0.1801, 0.1514

Square

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



23.9438, 0.2966, 0.5791



23.9438, 0.1103, 0.2009



23.9438, 0.2788, 0.1757



23.9438, 0.5645, 0.3735

Rectangle

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



23.9438, 0.2966, 0.5791



23.9438, 0.1441, 0.3563



23.9438, 0.2788, 0.1757



23.9438, 0.5028, 0.2723

Sweetspot

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



23.9448, 0.2966, 0.5791



51.6972, 0.3045, 0.3995



29.3111, 0.3988, 0.5163



11.1674, 0.3034, 0.4112



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.



23.9448, 0.2966, 0.5791



43.2516, 0.2977, 0.5919



24.7925, 0.2593, 0.4469



7.4131, 0.3101, 0.3493



19.6247, 0.2970, 0.5892



0.3541, 0.2848, 0.5454

Inverse Universe

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



9.2006, 0.3494, 0.1737



16.1337, 0.3532, 0.1719



7.7424, 0.5184, 0.2700



6.7411, 0.3154, 0.3095



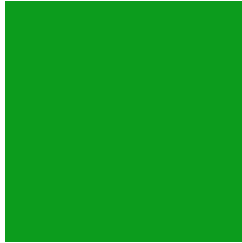
7.3286, 0.3522, 0.1714



0.1345, 0.3382, 0.1637

Previews

White Background



This preview shows how the Yxy color 23.9438, 0.2966, 0.5791 looks on a white background.

Color Contrast Check

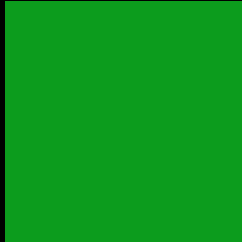
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9438, 0.2966, 0.5791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

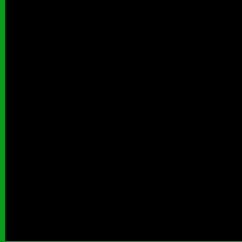
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9438, 0.2966, 0.5791

Background



This preview shows how black text looks on a background with the Yxy color 23.9438, 0.2966, 0.5791.



This preview shows how white text looks on a background with the Yxy color 23.9438, 0.2966, 0.5791.

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

23.9438, 0.2966, 0.5791

Protanopia

23.5961, 0.4330, 0.4806

Deuteranopia

23.5761, 0.4505, 0.4429



Tritanopia

23.8434, 0.2372, 0.3064

Trichromacy



Original Color

23.9438, 0.2966, 0.5791



Protanomaly

22.1255, 0.3629, 0.5316



Deuteranomaly

21.7029, 0.3725, 0.5050



Tritanomaly

23.2015, 0.2607, 0.4118

Monochromacy



Original Color

23.9438, 0.2966, 0.5791



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

15.1206, 0.2998, 0.4416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9438, 0.2966, 0.5791 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(12, 156, 29)` looks like.

```
.text, #text, p{  
    color:rgb(12, 156, 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(12, 156, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 156, 29) }
```

Border

The CSS property to change the border of an element to Yxy 23.9438, 0.2966, 0.5791 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(12, 156, 29) }
```

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

```
.border{ border-color:rgb(12, 156, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 156, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 156, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 156, 29);  
box-shadow:4px 4px 4px 4px rgb(12, 156,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9438, 0.2966, 0.5791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 156, 29) }
```

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

```
.background{ background-color: rgb(12, 156,  
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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