

Converting Colors

$Y_{xy}(23.6165, 0.2961, 0.5859)$

Have a look what the booklet for
Yxy(23.6165, 0.2961, 0.5859)
contains.

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Color

Yxy(23.5046, 0.2961, 0.5861)

Conversions

Conversions Part 1

Format	Color
Hex	009B17
RGB	0, 155, 23
RGB Percent	0%, 61%, 9%
CMY	1.0000, 0.3921, 0.9096
CMYK	1.00, 0.00, 0.85, 0.39
HSL	129°, 100%, 30%
HSV	129°, 100%, 61%
XYZ	11.8746, 23.5046, 4.7242
YIQ	93.6070, -50.0080, -73.9120

Conversions

Conversions Part 2

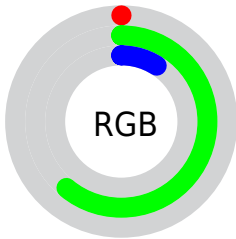
Format	Color
RYB	0, 135, 155
Decimal	39703
CIELab	55.59, -58.61, 53.15
CIELCh	56, 79.124, 137.799
Yxy	23.5046, 0.2961, 0.5861
Android (android.graphics.Color)	4278229783 (0xFF009B17)
YUV	93.6070, -34.8093, -82.0933
Hunter-Lab	48.4815, -41.1226, 28.1597

Details

The Yxy color **23.5046, 0.2961, 0.5861** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.6337, 0.3619, 0.1767**, and the grayscale version is **11.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3414, 0.3084, 0.5255**, and **9.5027, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.5068, 0.2961, 0.5861**, and if you desaturate by 10%, it is **23.6795, 0.2949, 0.5700**.

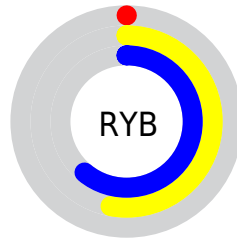
Distribution



Red (0%)

Green (61%)

Blue (9%)



Red (0%)

Yellow (53%)

Blue (61%)

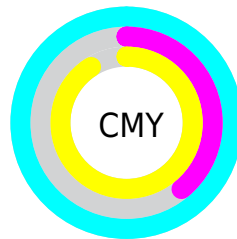


Cyan (100%)

Magenta (0%)

Yellow (85%)

Black (39%)



Cyan (100%)


Magenta (39%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5046, 0.2961, 0.5861 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 23.5046, 0.2961, 0.5861 by changing the saturation by 10% instead.


 23.5046, 0.2961,
0.5861


 23.5046, 0.2961,
0.5861

270.3062, 0.3165,
0.4334


 14.9665, 0.2836,
0.6308


 49.2206, 0.3081,
0.5250


 8.7959, 0.2627,
0.6921


 67.1673, 0.3110,
0.5036


 4.6083, 0.2247,
0.7753

 89.0189, 0.3130,
0.4863

 2.0193, 0.0939,
0.9061

 115.1600, 0.3143,
0.4720

 0.6187, 0.0000,
1.0000

 145.9749, 0.3152,
0.4600

 0.0000, 0.0000,
0.0000

 181.8480, 0.3158,

0.4498

223.1636, 0.3162,
0.4410

23.5046, 0.2961,
0.5861

23.5046, 0.2961,
0.5861

23.5068, 0.2961,
0.5861

23.6795, 0.2949,
0.5700

23.9616, 0.2940,
0.5481

24.3922, 0.2941,
0.5214

24.9885, 0.2952,
0.4915

25.7653, 0.2972,
0.4605

■ 26.7359, 0.2998,
0.4299

■ 27.9121, 0.3029,
0.4009

■ 29.3050, 0.3061,
0.3742

■ 30.9246, 0.3095,
0.3502

Harmonies

Analogous

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



23.5046, 0.4114, 0.5530



23.5046, 0.2961, 0.5861



23.5046, 0.1901, 0.4754

Triad

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



23.5046, 0.2961, 0.5861



23.5046, 0.1239, 0.1541



23.5046, 0.5389, 0.2944

Complementary

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



23.5046, 0.2961, 0.5861



8.6337, 0.3619, 0.1767

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.



23.5046, 0.4175, 0.2246



23.5046, 0.2961, 0.5861



23.5046, 0.1769, 0.1484

Square

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



23.5046, 0.2961, 0.5861



23.5046, 0.1071, 0.1987



23.5046, 0.2766, 0.1727



23.5046, 0.5694, 0.3719

Rectangle

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



23.5046, 0.2961, 0.5861



23.5046, 0.1413, 0.3580



23.5046, 0.2766, 0.1727



23.5046, 0.5062, 0.2700

Sweetspot

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



23.5068, 0.2961, 0.5861



49.8496, 0.3027, 0.4025



28.5409, 0.3963, 0.5235



11.0878, 0.3015, 0.4137



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.



23.5068, 0.2961, 0.5861



42.0770, 0.2967, 0.5882



24.3298, 0.2589, 0.4520



6.9398, 0.3097, 0.3485



18.8829, 0.2958, 0.5850



0.2857, 0.2807, 0.5305

Inverse Universe

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



8.6337, 0.3619, 0.1767



15.4388, 0.3627, 0.1772



7.2629, 0.5479, 0.2792



6.3078, 0.3159, 0.3103



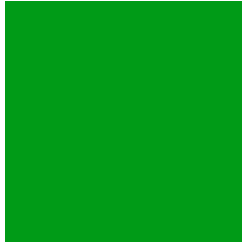
6.9385, 0.3615, 0.1765



0.1075, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 23.5046, 0.2961, 0.5861 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 23.5046, 0.2961, 0.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

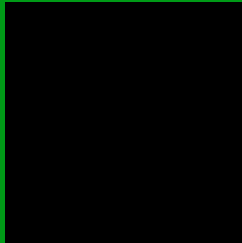
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5046, 0.2961, 0.5861

Background



This preview shows how black text looks on a background with the Yxy color 23.5046, 0.2961, 0.5861.



This preview shows how white text looks on a background with the Yxy color 23.5046, 0.2961, 0.5861.

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

23.5046, 0.2961, 0.5861

Protanopia

23.2020, 0.4354, 0.4839

Deuteranopia

23.1819, 0.4533, 0.4459



Tritanopia

23.4706, 0.2368, 0.3062

Trichromacy



Original Color

23.5046, 0.2961, 0.5861



Protanomaly

21.5297, 0.3599, 0.5395



Deuteranomaly

21.0710, 0.3699, 0.5136



Tritanomaly

22.7339, 0.2595, 0.4151

Monochromacy



Original Color

23.5046, 0.2961, 0.5861



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.8688, 0.2983, 0.4520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5046, 0.2961, 0.5861 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, 155, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 23)  
}
```

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, 155, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 23) }
```

Border

The CSS property to change the border of an element to Yxy 23.5046, 0.2961, 0.5861 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, 155, 23) }
```

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

```
.border{ border-color:rgb(0, 155, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 155, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5046, 0.2961, 0.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 23) }
```

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

```
.background{ background-color: rgb(0, 155,  
23) }
```

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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