

Converting Colors

$Yxy(22.0576, 0.2399, 0.5771)$

Have a look what the booklet for
Yxy(22.0576, 0.2399, 0.5771)
contains.

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Color

Yxy(23.6906, 0.2857, 0.5484)

Conversions

Conversions Part 1

Format	Color
Hex	009B34
RGB	0, 155, 52
RGB Percent	0%, 61%, 20%
CMY	0.9993, 0.3922, 0.7962
CMYK	1.00, 0.00, 0.66, 0.39
HSL	140°, 100%, 30%
HSV	140°, 100%, 61%
XYZ	12.3421, 23.6906, 7.1668
YIQ	96.9130, -59.3170, -64.8930

Conversions

Conversions Part 2

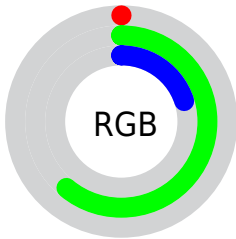
Format	Color
RYB	0, 116, 155
Decimal	39732
CIELab	55.78, -56.19, 43.00
CIELCh	56, 70.755, 142.573
Yxy	23.6906, 0.2857, 0.5484
Android (android.graphics.Color)	4278229812 (0xFF009B34)
YUV	96.9130, -22.1421, -84.9927
Hunter-Lab	48.6730, -39.9152, 25.3410

Details

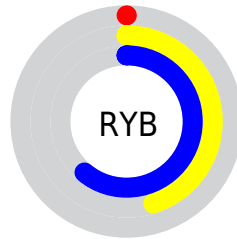
The Yxy color **23.6906, 0.2857, 0.5484** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.9558, 0.4259, 0.2121**, and the grayscale version is **12.0103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6425, 0.2969, 0.4952**, and **9.5027, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.6894, 0.2857, 0.5486**, and if you desaturate by 10%, it is **23.9010, 0.2831, 0.5283**.

Distribution



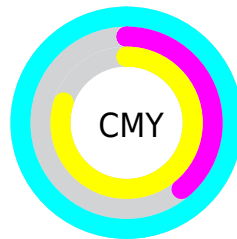
- Red (0%)
- Green (61%)
- Blue (20%)



- Red (0%)
- Yellow (45%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (39%)




- Cyan (100%)
- Magenta (39%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6906, 0.2857, 0.5484 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 23.6906, 0.2857, 0.5484 by changing the saturation by 10% instead.


 23.6906, 0.2857,
0.5484


 23.6906, 0.2857,
0.5484

271.2525, 0.3081,
0.4171


 15.1043, 0.2750,
0.5890


 49.5248, 0.2970,
0.4949


 8.8926, 0.2569,
0.6453


 67.5415, 0.3002,
0.4765

 4.6712, 0.2325,
0.7513

 89.4704, 0.3025,
0.4617

 2.0557, 0.1230,
0.8770

 115.6960, 0.3043,
0.4496

 0.6395, 0.0000,
1.0000

 146.6026, 0.3056,
0.4394

 0.0000, 0.0000,
0.0000

 182.5746, 0.3066,

0.4308

223.9965, 0.3074,
0.4235

■ 23.6906, 0.2857,
0.5484

■ 23.6906, 0.2857,
0.5484

■ 23.6894, 0.2857,
0.5486

■ 23.9010, 0.2831,
0.5283

■ 24.2125, 0.2815,
0.5056

■ 24.6626, 0.2816,
0.4811

■ 25.2669, 0.2833,
0.4558

■ 26.0389, 0.2864,
0.4308

■ 26.9906, 0.2906,
0.4068

■ 28.1329, 0.2956,
0.3844

■ 29.4756, 0.3012,
0.3639

■ 31.0281, 0.3069,
0.3453

Harmonies

Analogous

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



23.6906, 0.3930, 0.5447



23.6906, 0.2857, 0.5484



23.6906, 0.1907, 0.4340

Triad

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



23.6906, 0.2857, 0.5484



23.6906, 0.1434, 0.1651



23.6906, 0.5267, 0.3119

Complementary

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



23.6906, 0.2857, 0.5484



7.9558, 0.4259, 0.2121

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.



23.6906, 0.4277, 0.2437



23.6906, 0.2857, 0.5484



23.6906, 0.2003, 0.1637

Square

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



23.6906, 0.2857, 0.5484



23.6906, 0.1225, 0.2019



23.6906, 0.2997, 0.1911



23.6906, 0.5440, 0.3874

Rectangle

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



23.6906, 0.2857, 0.5484



23.6906, 0.1488, 0.3340



23.6906, 0.2997, 0.1911



23.6906, 0.5013, 0.2882

Sweetspot

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



23.6916, 0.2857, 0.5484



50.2289, 0.2953, 0.3859



26.3499, 0.3625, 0.5503



11.1800, 0.2933, 0.3946



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.



23.6916, 0.2857, 0.5484



42.3934, 0.2867, 0.5520



25.0341, 0.2394, 0.3818



6.9580, 0.3073, 0.3442



19.0339, 0.2853, 0.5471



0.2908, 0.2626, 0.4654

Inverse Universe

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



7.9558, 0.4259, 0.2121



14.2028, 0.4286, 0.2135



7.0468, 0.6128, 0.3151



6.2885, 0.3185, 0.3143



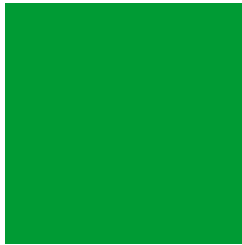
6.3934, 0.4250, 0.2115



0.1023, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 23.6906, 0.2857, 0.5484 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 23.6906, 0.2857, 0.5484 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 23.6906, 0.2857, 0.5484

Background



This preview shows how black text looks on a background with the Yxy color 23.6906, 0.2857, 0.5484.



This preview shows how white text looks on a background with the Yxy color 23.6906, 0.2857, 0.5484.

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

23.6906, 0.2857, 0.5484

Protanopia

23.3619, 0.4204, 0.4616

Deuteranopia

23.1511, 0.4340, 0.4255



Tritanopia

23.7419, 0.2356, 0.3063

Trichromacy



Original Color

23.6906, 0.2857, 0.5484



Protanomaly

21.6960, 0.3463, 0.5084



Deuteranomaly

21.1399, 0.3518, 0.4823



Tritanomaly

23.2779, 0.2518, 0.3920

Monochromacy



Original Color

23.6906, 0.2857, 0.5484



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.5751, 0.2876, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6906, 0.2857, 0.5484 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 52) }
```

Border

The CSS property to change the border of an element to Yxy 23.6906, 0.2857, 0.5484 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, 52) }
```

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

```
.border{ border-color:rgb(0, 155, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 155, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.6906, 0.2857, 0.5484 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, 52) }
```

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

```
.background{ background-color: rgb(0, 155,  
52) }
```

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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