

Converting Colors

$Y_{xy}(22.9959, 0.2872, 0.5538)$

Have a look what the booklet for
Yxy(22.9959, 0.2872, 0.5538)
contains.

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Color

Yxy(22.9959, 0.2872, 0.5538)

Conversions

Conversions Part 1

Format	Color
Hex	009930
RGB	0, 153, 48
RGB Percent	0%, 60%, 19%
CMY	0.9993, 0.4000, 0.8119
CMYK	1.00, 0.00, 0.69, 0.40
HSL	139°, 100%, 30%
HSV	139°, 100%, 60%
XYZ	11.9256, 22.9959, 6.6023
YIQ	95.2830, -57.4830, -65.0910

Conversions

Conversions Part 2

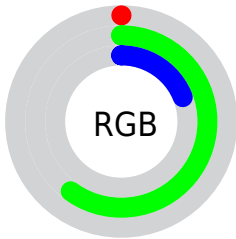
Format	Color
RYB	0, 116, 153
Decimal	39216
CIELab	55.07, -56.01, 43.96
CIELCh	55, 71.203, 141.877
Yxy	22.9959, 0.2872, 0.5538
Android (android.graphics.Color)	4278229296 (0xFF009930)
YUV	95.2830, -23.3105, -83.5632
Hunter-Lab	47.9540, -39.5286, 25.4048

Details

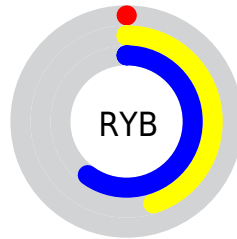
The Yxy color **22.9959, 0.2872, 0.5538** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.8000, 0.4176, 0.2075**, and the grayscale version is **11.5944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5765, 0.2988, 0.4992**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.9948, 0.2872, 0.5540**, and if you desaturate by 10%, it is **23.1986, 0.2847, 0.5337**.

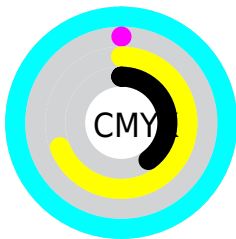
Distribution



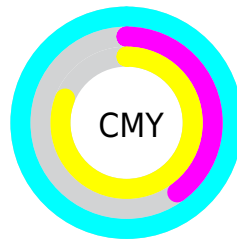
- Red (0%)
- Green (60%)
- Blue (19%)



- Red (0%)
- Yellow (45%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9959, 0.2872, 0.5538 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 22.9959, 0.2872, 0.5538 by changing the saturation by 10% instead.


 22.9959, 0.2872,
0.5538


 22.9959, 0.2872,
0.5538


267.7039, 0.3093,
0.4188


 14.5905, 0.2762,
0.5956


 48.3866, 0.2986,
0.4987


 8.5325, 0.2573,
0.6534


 66.1407, 0.3018,
0.4798


 4.4375, 0.2329,
0.7671

 87.7797, 0.3040,
0.4646

 1.9212, 0.1020,
0.8980

 113.6882, 0.3057,
0.4521

 0.5611, 0.0000,
1.0000

 144.2505, 0.3069,
0.4417

 0.0000, 0.0000,
0.0000

 179.8509, 0.3079,

0.4329

220.8739, 0.3087,
0.4253

■ 22.9959, 0.2872,
0.5538

■ 22.9959, 0.2872,
0.5538

■ 22.9948, 0.2872,
0.5540

■ 23.1986, 0.2847,
0.5337

■ 23.5000, 0.2831,
0.5108

■ 23.9370, 0.2832,
0.4859

■ 24.5250, 0.2848,
0.4599

■ 25.2772, 0.2877,
0.4342

■ 26.2052, 0.2917,
0.4094

■ 27.3195, 0.2965,
0.3862

■ 28.6300, 0.3018,
0.3650

■ 30.1456, 0.3072,
0.3459

Harmonies

Analogous

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



22.9959, 0.3956, 0.5462



22.9959, 0.2872, 0.5538



22.9959, 0.1906, 0.4394

Triad

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



22.9959, 0.2872, 0.5538



22.9959, 0.1406, 0.1635



22.9959, 0.5285, 0.3095

Complementary

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



22.9959, 0.2872, 0.5538



7.8000, 0.4176, 0.2075

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.



22.9959, 0.4264, 0.2410



22.9959, 0.2872, 0.5538



22.9959, 0.1970, 0.1615

Square

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



22.9959, 0.2872, 0.5538



22.9959, 0.1203, 0.2014



22.9959, 0.2966, 0.1885



22.9959, 0.5476, 0.3853

Rectangle

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



22.9959, 0.2872, 0.5538



22.9959, 0.1477, 0.3371



22.9959, 0.2966, 0.1885



22.9959, 0.5021, 0.2856

Sweetspot

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



22.9968, 0.2872, 0.5538



48.7745, 0.2962, 0.3878



25.9181, 0.3680, 0.5459



10.5933, 0.2943, 0.3966



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.9968, 0.2872, 0.5538



41.1509, 0.2881, 0.5573



24.1996, 0.2425, 0.3930



6.9558, 0.3076, 0.3447



19.0101, 0.2869, 0.5527



0.2902, 0.2645, 0.4721

Inverse Universe

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



7.8000, 0.4176, 0.2075



13.9258, 0.4200, 0.2088



6.8735, 0.6040, 0.3102



6.2907, 0.3182, 0.3138



6.4489, 0.4168, 0.2070



0.1029, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 22.9959, 0.2872, 0.5538 looks on a white background.

Color Contrast Check

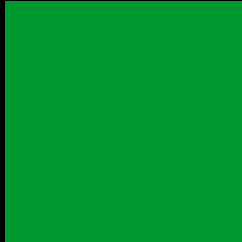
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9959, 0.2872, 0.5538 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 22.9959, 0.2872, 0.5538

Background



This preview shows how black text looks on a background with the Yxy color 22.9959, 0.2872, 0.5538.



This preview shows how white text looks on a background with the Yxy color 22.9959, 0.2872, 0.5538.

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

22.9959, 0.2872, 0.5538

Protanopia

22.6028, 0.4228, 0.4647

Deuteranopia

22.6541, 0.4354, 0.4289



Tritanopia

23.0356, 0.2354, 0.3060

Trichromacy



Original Color

22.9959, 0.2872, 0.5538



Protanomaly

21.0268, 0.3487, 0.5126



Deuteranomaly

20.4779, 0.3548, 0.4869



Tritanomaly

22.5795, 0.2530, 0.3950

Monochromacy



Original Color

22.9959, 0.2872, 0.5538



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

14.0329, 0.2893, 0.4254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9959, 0.2872, 0.5538 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, 153, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 48)  
}
```

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, 153, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 48) }
```

Border

The CSS property to change the border of an element to Yxy 22.9959, 0.2872, 0.5538 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, 153, 48) }
```

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

```
.border{ border-color:rgb(0, 153, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.9959, 0.2872, 0.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 48) }
```

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

```
.background{ background-color: rgb(0, 153,  
48) }
```

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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