

Converting Colors

$Yxy(22.8257, 0.3002, 0.5967)$

Have a look what the booklet for
Yxy(22.8257, 0.3002, 0.5967)
contains.

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Color

Yxy(22.8257, 0.3002, 0.5967)

Conversions

Conversions Part 1

Format	Color
Hex	059905
RGB	5, 153, 5
RGB Percent	2%, 60%, 2%
CMY	0.9794, 0.4000, 0.9804
CMYK	0.97, 0.00, 0.97, 0.40
HSL	120°, 94%, 31%
HSV	120°, 97%, 60%
XYZ	11.4836, 22.8257, 3.9439
YIQ	91.8760, -40.7000, -77.4040

Conversions

Conversions Part 2

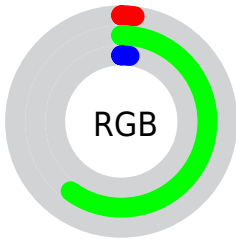
Format	Color
RYB	5, 153, 153
Decimal	366853
CIELab	54.89, -58.39, 56.05
CIELCh	55, 80.940, 136.168
Yxy	22.8257, 0.3002, 0.5967
Android (android.graphics.Color)	4278556933 (0xFF059905)
YUV	91.8760, -42.8299, -76.1903
Hunter-Lab	47.7762, -40.7037, 28.5490

Details

The Yxy color **22.8257, 0.3002, 0.5967** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.1555, 0.3204, 0.1553**, and the grayscale version is **10.7989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2930, 0.3124, 0.5334**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.7834, 0.3000, 0.6000**, and if you desaturate by 10%, it is **22.9877, 0.3008, 0.5850**.

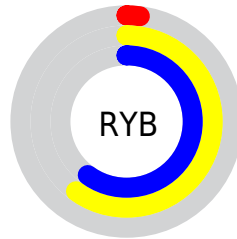
Distribution



Red (2%)

Green (60%)

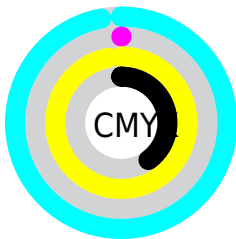
Blue (2%)



Red (2%)

Yellow (60%)

Blue (60%)

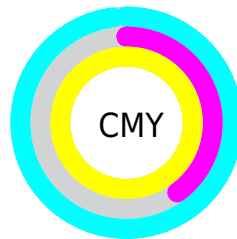


Cyan (97%)

Magenta (0%)

Yellow (97%)

Black (40%)



Cyan (98%)


Magenta (40%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8257, 0.3002, 0.5967 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 22.8257, 0.3002, 0.5967 by changing the saturation by 10% instead.


 22.8257, 0.3002,
0.5967


 22.8257, 0.3002,
0.5967


266.8285, 0.3197,
0.4380


 14.4649, 0.2870,
0.6422


 48.1070, 0.3125,
0.5336


 8.4447, 0.2665,
0.7094


 65.7962, 0.3153,
0.5113


 4.3808, 0.2213,
0.7787

 87.3636, 0.3171,
0.4932

 1.8888, 0.0698,
0.9302

 113.1938, 0.3183,
0.4783


 0.5416, 0.0000,
1.0000

 143.6709, 0.3190,
0.4657

 0.0000, 0.0000,
0.0000


 179.1795, 0.3194,

0.4551


 220.1039, 0.3196,
0.4459

 22.8257, 0.3002,
0.5967


 22.8257, 0.3002,
0.5967


 22.7834, 0.3000,
0.6000

 22.9877, 0.3008,
0.5850

 23.2783, 0.3017,
0.5653

 23.7258, 0.3030,
0.5383

 24.3481, 0.3045,
0.5061

 25.1606, 0.3061,
0.4713

■ 26.1771, 0.3078,
0.4365

■ 27.4101, 0.3093,
0.4032

■ 28.8710, 0.3107,
0.3727

■ 30.5706, 0.3120,
0.3455

Harmonies

Analogous

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



22.8257, 0.4178, 0.5532



22.8257, 0.3002, 0.5967



22.8257, 0.1911, 0.4905

Triad

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



22.8257, 0.3002, 0.5967



22.8257, 0.1182, 0.1513



22.8257, 0.5412, 0.2884

Complementary

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



22.8257, 0.3002, 0.5967



9.1555, 0.3204, 0.1553

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.



22.8257, 0.4123, 0.2183



22.8257, 0.3002, 0.5967



22.8257, 0.1694, 0.1440

Square

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



22.8257, 0.3002, 0.5967



22.8257, 0.1029, 0.1988



22.8257, 0.2683, 0.1671



22.8257, 0.5769, 0.3662

Rectangle

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



22.8257, 0.3002, 0.5967



22.8257, 0.1398, 0.3679



22.8257, 0.2683, 0.1671



22.8257, 0.5058, 0.2639

Sweetspot

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



22.8266, 0.3002, 0.5967



48.4212, 0.3089, 0.4124



28.7657, 0.4212, 0.5016



10.5004, 0.3083, 0.4254



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.



22.8266, 0.3002, 0.5967



40.8031, 0.3000, 0.6000



23.3433, 0.2725, 0.4979



6.9261, 0.3117, 0.3520



18.8309, 0.3001, 0.6000



0.2816, 0.3003, 0.5998

Inverse Universe

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



9.1555, 0.3204, 0.1553



16.2001, 0.3205, 0.1539



7.4819, 0.4783, 0.2435



6.3231, 0.3137, 0.3071



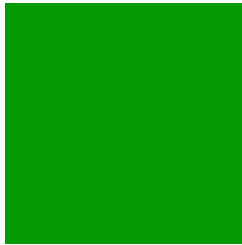
7.4768, 0.3205, 0.1539



0.1119, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 22.8257, 0.3002, 0.5967 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 22.8257, 0.3002, 0.5967 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 22.8257, 0.3002, 0.5967

Background



This preview shows how black text looks on a background with the Yxy color 22.8257, 0.3002, 0.5967.



This preview shows how white text looks on a background with the Yxy color 22.8257, 0.3002, 0.5967.

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

22.8257, 0.3002, 0.5967

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.4176, 0.4579, 0.4504



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8257, 0.3002, 0.5967



Protanomaly

20.9025, 0.3653, 0.5469



Deuteranomaly

20.4540, 0.3766, 0.5218



Tritanomaly

21.9915, 0.2654, 0.4299

Monochromacy



Original Color

22.8257, 0.3002, 0.5967



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

13.3215, 0.3061, 0.4690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8257, 0.3002, 0.5967 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(5, 153, 5)` looks like.

```
.text, #text, p{  
    color:rgb(5, 153, 5)  
}
```

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(5, 153, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 153, 5) }
```

Border

The CSS property to change the border of an element to Yxy 22.8257, 0.3002, 0.5967 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(5, 153, 5) }
```

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

```
.border{ border-color:rgb(5, 153, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 153, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 153, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 153, 5); box-shadow:4px  
4px 4px 4px rgb(5, 153, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8257, 0.3002, 0.5967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 153, 5) }
```

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

```
.background{ background-color: rgb(5, 153,  
5) }
```

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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