

Converting Colors

$Y_{xy}(22.8250, 0.2973, 0.5901)$

Have a look what the booklet for
Yxy(22.8250, 0.2973, 0.5901)
contains.

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Color

Yxy(22.8261, 0.2972, 0.5898)

Conversions

Conversions Part 1

Format	Color
Hex	009912
RGB	0, 153, 18
RGB Percent	0%, 60%, 7%
CMY	0.9994, 0.4000, 0.9293
CMYK	1.00, 0.00, 0.88, 0.40
HSL	127°, 100%, 30%
HSV	127°, 100%, 60%
XYZ	11.5021, 22.8261, 4.3733
YIQ	91.8630, -47.8530, -74.4210

Conversions

Conversions Part 2

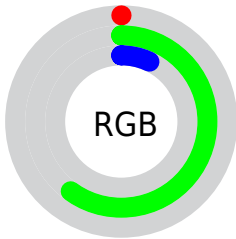
Format	Color
RYB	0, 137, 153
Decimal	39186
CIELab	54.89, -58.26, 53.74
CIELCh	55, 79.256, 137.312
Yxy	22.8261, 0.2972, 0.5898
Android (android.graphics.Color)	4278229266 (0xFF009912)
YUV	91.8630, -36.4145, -80.5639
Hunter-Lab	47.7767, -40.6359, 28.0165

Details

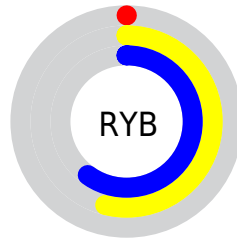
The Yxy color **22.8261, 0.2972, 0.5898** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.5283, 0.3523, 0.1715**, and the grayscale version is **10.7755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2606, 0.3093, 0.5282**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8256, 0.2972, 0.5899**, and if you desaturate by 10%, it is **22.9895, 0.2964, 0.5749**.

Distribution



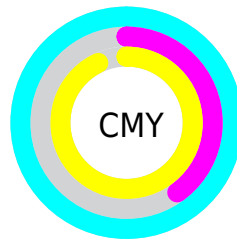
- Red (0%)
- Green (60%)
- Blue (7%)



- Red (0%)
- Yellow (54%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8261, 0.2972, 0.5898 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 22.8261, 0.2972, 0.5898 by changing the saturation by 10% instead.

■ 22.8261, 0.2972,
0.5898

■ 22.8261, 0.2972,
0.5898

266.8305, 0.3174,
0.4346

■ 14.4652, 0.2843,
0.6352

■ 48.1076, 0.3094,
0.5276

■ 8.4449, 0.2634,
0.6994

■ 65.7970, 0.3123,
0.5059

■ 4.3809, 0.2219,
0.7781

■ 87.3646, 0.3142,
0.4882

■ 1.8888, 0.0712,
0.9288

■ 113.1949, 0.3155,
0.4737

■ 0.5417, 0.0000,
1.0000


■ 143.6723, 0.3163,
0.4615

■ 0.0000, 0.0000,
0.0000


■ 179.1811, 0.3168,


0.4511

 220.1057, 0.3172,
0.4423


 22.8261, 0.2972,
0.5898


 22.8261, 0.2972,
0.5898


 22.8256, 0.2972,
0.5899

 22.9895, 0.2964,
0.5749

 23.2597, 0.2958,
0.5537

 23.6757, 0.2960,
0.5270

 24.2546, 0.2972,
0.4968

 25.0111, 0.2990,
0.4649

■ 25.9581, 0.3014,
0.4333

■ 27.1075, 0.3042,
0.4033

■ 28.4700, 0.3070,
0.3757

■ 30.0559, 0.3099,
0.3508

Harmonies

Analogous

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



22.8261, 0.4133, 0.5534



22.8261, 0.2972, 0.5898



22.8261, 0.1902, 0.4801

Triad

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



22.8261, 0.2972, 0.5898



22.8261, 0.1220, 0.1530



22.8261, 0.5400, 0.2926

Complementary

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



22.8261, 0.2972, 0.5898



8.5283, 0.3523, 0.1715

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.



22.8261, 0.4162, 0.2225



22.8261, 0.2972, 0.5898



22.8261, 0.1745, 0.1469

Square

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



22.8261, 0.2972, 0.5898



22.8261, 0.1056, 0.1985



22.8261, 0.2741, 0.1709



22.8261, 0.5720, 0.3702

Rectangle

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



22.8261, 0.2972, 0.5898



22.8261, 0.1406, 0.3609



22.8261, 0.2741, 0.1709



22.8261, 0.5064, 0.2681

Sweetspot

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



22.8270, 0.2972, 0.5898



48.3915, 0.3040, 0.4053



27.9474, 0.3992, 0.5211



10.5028, 0.3029, 0.4167



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.



22.8270, 0.2972, 0.5898



40.8638, 0.2977, 0.5918



23.5988, 0.2605, 0.4577



6.9368, 0.3101, 0.3492



18.8680, 0.2970, 0.5891



0.2848, 0.2844, 0.5438

Inverse Universe

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



8.5283, 0.3523, 0.1715



15.2484, 0.3530, 0.1718



7.0888, 0.5407, 0.2753



6.3112, 0.3154, 0.3096



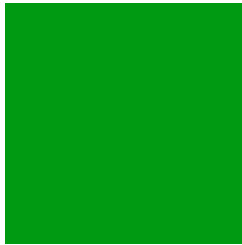
7.0484, 0.3520, 0.1713



0.1084, 0.3365, 0.1628

Previews

White Background



This preview shows how the Yxy color 22.8261, 0.2972, 0.5898 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 22.8261, 0.2972, 0.5898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

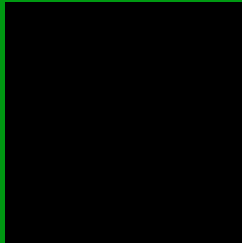
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8261, 0.2972, 0.5898

Background



This preview shows how black text looks on a background with the Yxy color 22.8261, 0.2972, 0.5898.



This preview shows how white text looks on a background with the Yxy color 22.8261, 0.2972, 0.5898.

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

22.8261, 0.2972, 0.5898

Protanopia

22.4554, 0.4374, 0.4862

Deuteranopia

22.4414, 0.4555, 0.4473



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8261, 0.2972, 0.5898



Protanomaly

20.8715, 0.3621, 0.5431



Deuteranomaly

20.3647, 0.3711, 0.5174



Tritanomaly

22.0491, 0.2608, 0.4185

Monochromacy



Original Color

22.8261, 0.2972, 0.5898



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

13.3461, 0.3001, 0.4565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8261, 0.2972, 0.5898 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 18) }
```

Border

The CSS property to change the border of an element to Yxy 22.8261, 0.2972, 0.5898 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, 18) }
```

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

```
.border{ border-color:rgb(0, 153, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 18)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.8261, 0.2972, 0.5898 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, 18) }
```

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

```
.background{ background-color: rgb(0, 153,  
18) }
```

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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