

Converting Colors

$Y_{xy}(22.8099, 0.2982, 0.5936)$

Have a look what the booklet for
Yxy(22.8099, 0.2982, 0.5936)
contains.

Yxy(22.8090, 0.2983, 0.5938)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8090, 0.2983, 0.5938)

Conversions

Conversions Part 1

Format	Color
Hex	00990C
RGB	0, 153, 12
RGB Percent	0%, 60%, 5%
CMY	0.9996, 0.4000, 0.9531
CMYK	1.00, 0.00, 0.92, 0.40
HSL	125°, 100%, 30%
HSV	125°, 100%, 60%
XYZ	11.4583, 22.8090, 4.1446
YIQ	91.1790, -45.9270, -76.2870

Conversions

Conversions Part 2

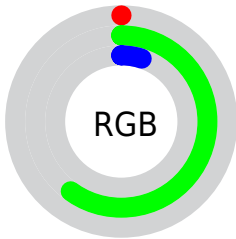
Format	Color
RYB	0, 142, 153
Decimal	39180
CIELab	54.88, -58.50, 54.92
CIELCh	55, 80.237, 136.806
Yxy	22.8090, 0.2983, 0.5938
Android (android.graphics.Color)	4278229260 (0xFF00990C)
YUV	91.1790, -39.0352, -79.9640
Hunter-Lab	47.7588, -40.7522, 28.2858

Details

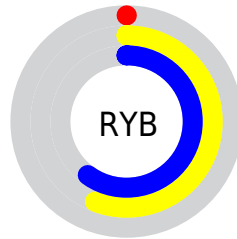
The Yxy color **22.8090, 0.2983, 0.5938** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.7023, 0.3411, 0.1653**, and the grayscale version is **10.6098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2192, 0.3105, 0.5318**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8090, 0.2983, 0.5939**, and if you desaturate by 10%, it is **22.9627, 0.2980, 0.5808**.

Distribution



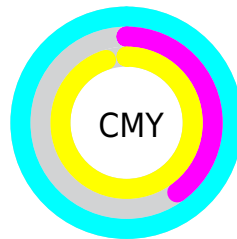
- Red (0%)
- Green (60%)
- Blue (5%)



- Red (0%)
- Yellow (56%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8090, 0.2983, 0.5938 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 22.8090, 0.2983, 0.5938 by changing the saturation by 10% instead.


 22.8090, 0.2983,
0.5938


 22.8090, 0.2983,
0.5938


266.7425, 0.3184,
0.4364


 14.4525, 0.2852,
0.6394

 48.0795, 0.3107,
0.5310


 8.4361, 0.2643,
0.7053


 65.7624, 0.3136,
0.5089

 4.3752, 0.2208,
0.7792

 87.3228, 0.3154,
0.4910

 1.8856, 0.0678,
0.9322

 113.1452, 0.3167,
0.4762

 0.5397, 0.0000,
1.0000


 143.6140, 0.3174,
0.4638

 0.0000, 0.0000,
0.0000


 179.1135, 0.3179,

0.4533


 220.0282, 0.3183,
0.4443


 22.8090, 0.2983,
0.5938


 22.8090, 0.2983,
0.5938


 22.8090, 0.2983,
0.5939

 22.9627, 0.2980,
0.5808

 23.2240, 0.2978,
0.5608

 23.6329, 0.2983,
0.5345

 24.2070, 0.2995,
0.5038

 24.9615, 0.3013,
0.4711

■ 25.9096, 0.3034,
0.4382

■ 27.0637, 0.3057,
0.4069

■ 28.4347, 0.3081,
0.3779

■ 30.0331, 0.3105,
0.3519

Harmonies

Analogous

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



22.8090, 0.4153, 0.5538



22.8090, 0.2983, 0.5938



22.8090, 0.1902, 0.4852

Triad

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



22.8090, 0.2983, 0.5938



22.8090, 0.1199, 0.1518



22.8090, 0.5412, 0.2906

Complementary

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



22.8090, 0.2983, 0.5938



8.7023, 0.3411, 0.1653

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.



22.8090, 0.4148, 0.2204



22.8090, 0.2983, 0.5938



22.8090, 0.1719, 0.1452

Square

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



22.8090, 0.2983, 0.5938



22.8090, 0.1040, 0.1982



22.8090, 0.2714, 0.1688



22.8090, 0.5749, 0.3683

Rectangle

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



22.8090, 0.2983, 0.5938



22.8090, 0.1397, 0.3640



22.8090, 0.2714, 0.1688



22.8090, 0.5068, 0.2660

Sweetspot

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



22.8099, 0.2983, 0.5938



48.3188, 0.3055, 0.4089



28.6056, 0.4079, 0.5143



10.4858, 0.3046, 0.4208



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.



22.8099, 0.2983, 0.5938



40.8365, 0.2987, 0.5953



23.4675, 0.2654, 0.4753



6.9330, 0.3106, 0.3501



18.8532, 0.2981, 0.5932



0.2837, 0.2893, 0.5614

Inverse Universe

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



8.7023, 0.3411, 0.1653



15.5676, 0.3415, 0.1655



7.1723, 0.5204, 0.2641



6.3154, 0.3148, 0.3087



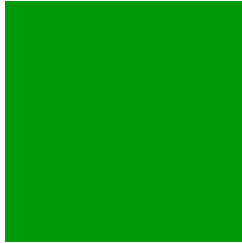
7.1923, 0.3409, 0.1652



0.1096, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 22.8090, 0.2983, 0.5938 looks on a white background.

Color Contrast Check

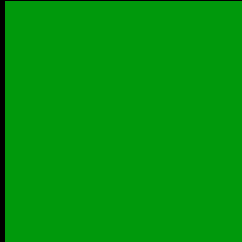
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8090, 0.2983, 0.5938 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 22.8090, 0.2983, 0.5938

Background



This preview shows how black text looks on a background with the Yxy color 22.8090, 0.2983, 0.5938.



This preview shows how white text looks on a background with the Yxy color 22.8090, 0.2983, 0.5938.

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

22.8090, 0.2983, 0.5938

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

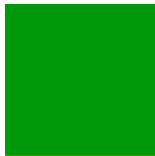
22.4292, 0.4567, 0.4489



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8090, 0.2983, 0.5938



Protanomaly

20.8537, 0.3637, 0.5469



Deuteranomaly

20.3501, 0.3725, 0.5202



Tritanomaly

21.9885, 0.2630, 0.4255

Monochromacy



Original Color

22.8090, 0.2983, 0.5938



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

13.2820, 0.3020, 0.4647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8090, 0.2983, 0.5938 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 12) }
```

Border

The CSS property to change the border of an element to Yxy 22.8090, 0.2983, 0.5938 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, 12) }
```

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

```
.border{ border-color:rgb(0, 153, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.8090, 0.2983, 0.5938 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, 12) }
```

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

```
.background{ background-color: rgb(0, 153,  
12) }
```

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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