

Converting Colors

$Y_{xy}(22.8113, 0.2981, 0.5933)$

Have a look what the booklet for
Yxy(22.8113, 0.2981, 0.5933)
contains.

Yxy(22.8115, 0.2981, 0.5932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.8115, 0.2981, 0.5932)

Conversions

Conversions Part 1

Format	Color
Hex	00990D
RGB	0, 153, 13
RGB Percent	0%, 60%, 5%
CMY	1.0000, 0.4000, 0.9489
CMYK	1.00, 0.00, 0.91, 0.40
HSL	125°, 100%, 30%
HSV	125°, 100%, 60%
XYZ	11.4634, 22.8115, 4.1801
YIQ	91.2930, -46.2480, -75.9760

Conversions

Conversions Part 2

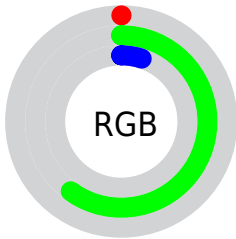
Format	Color
RYB	0, 141, 153
Decimal	39181
CIELab	54.88, -58.47, 54.73
CIELCh	55, 80.091, 136.890
Yxy	22.8115, 0.2981, 0.5932
Android (android.graphics.Color)	4278229261 (0xFF00990D)
YUV	91.2930, -38.5984, -80.0640
Hunter-Lab	47.7614, -40.7398, 28.2439

Details

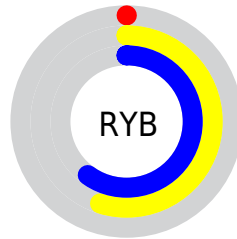
The Yxy color **22.8115, 0.2981, 0.5932** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.6655, 0.3432, 0.1664**, and the grayscale version is **10.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2328, 0.3101, 0.5306**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.8128, 0.2981, 0.5932**, and if you desaturate by 10%, it is **22.9670, 0.2977, 0.5798**.

Distribution



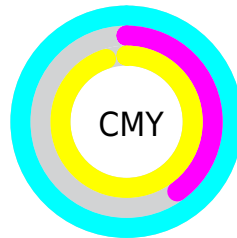
- Red (0%)
- Green (60%)
- Blue (5%)



- Red (0%)
- Yellow (55%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (91%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8115, 0.2981, 0.5932 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 22.8115, 0.2981, 0.5932 by changing the saturation by 10% instead.


 22.8115, 0.2981,
0.5932


 22.8115, 0.2981,
0.5932


266.7553, 0.3183,
0.4361


 14.4544, 0.2850,
0.6388


 48.0836, 0.3104,
0.5305


 8.4374, 0.2641,
0.7044


 65.7674, 0.3134,
0.5085

 4.3761, 0.2209,
0.7791

 87.3289, 0.3152,
0.4906

 1.8861, 0.0682,
0.9318

 113.1525, 0.3165,
0.4758


 0.5400, 0.0000,
1.0000


 143.6225, 0.3172,
0.4635


 0.0000, 0.0000,
0.0000

 179.1234, 0.3178,


0.4530


 220.0395, 0.3181,
0.4440


 22.8115, 0.2981,
0.5932


 22.8115, 0.2981,
0.5932


 22.8128, 0.2981,
0.5932

 22.9670, 0.2977,
0.5798

 23.2290, 0.2974,
0.5596

 23.6382, 0.2979,
0.5333

 24.2120, 0.2991,
0.5027

 24.9655, 0.3008,
0.4701

■ 25.9121, 0.3030,
0.4375

■ 27.0637, 0.3054,
0.4064

■ 28.4316, 0.3079,
0.3777

■ 30.0259, 0.3103,
0.3518

Harmonies

Analogous

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



22.8115, 0.4150, 0.5538



22.8115, 0.2981, 0.5932



22.8115, 0.1901, 0.4844

Triad

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



22.8115, 0.2981, 0.5932



22.8115, 0.1202, 0.1520



22.8115, 0.5411, 0.2909

Complementary

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



22.8115, 0.2981, 0.5932



8.6655, 0.3432, 0.1664

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.



22.8115, 0.4150, 0.2207



22.8115, 0.2981, 0.5932



22.8115, 0.1723, 0.1455

Square

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



22.8115, 0.2981, 0.5932



22.8115, 0.1042, 0.1982



22.8115, 0.2719, 0.1691



22.8115, 0.5744, 0.3686

Rectangle

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



22.8115, 0.2981, 0.5932



22.8115, 0.1398, 0.3635



22.8115, 0.2719, 0.1691



22.8115, 0.5068, 0.2664

Sweetspot

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



22.8128, 0.2981, 0.5932



48.3327, 0.3052, 0.4082



28.3812, 0.4050, 0.5166



10.4890, 0.3043, 0.4200



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.



22.8128, 0.2981, 0.5932



40.8411, 0.2985, 0.5947



23.5092, 0.2638, 0.4696



6.9337, 0.3105, 0.3500



18.8557, 0.2979, 0.5925



0.2839, 0.2883, 0.5579

Inverse Universe

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



8.6655, 0.3432, 0.1664



15.5046, 0.3437, 0.1667



7.1400, 0.5275, 0.2680



6.3146, 0.3150, 0.3089



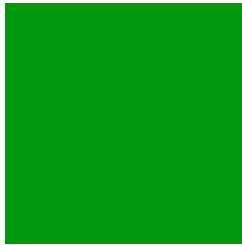
7.1640, 0.3430, 0.1663



0.1094, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 22.8115, 0.2981, 0.5932 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 22.8115, 0.2981, 0.5932 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 22.8115, 0.2981, 0.5932

Background



This preview shows how black text looks on a background with the Yxy color 22.8115, 0.2981, 0.5932.



This preview shows how white text looks on a background with the Yxy color 22.8115, 0.2981, 0.5932.

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

22.8115, 0.2981, 0.5932

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.4292, 0.4567, 0.4489



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8115, 0.2981, 0.5932



Protanomaly

20.8559, 0.3635, 0.5464



Deuteranomaly

20.3501, 0.3725, 0.5202



Tritanomaly

22.0085, 0.2623, 0.4231

Monochromacy



Original Color

22.8115, 0.2981, 0.5932



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

13.2930, 0.3010, 0.4621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8115, 0.2981, 0.5932 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 13) }
```

Border

The CSS property to change the border of an element to Yxy 22.8115, 0.2981, 0.5932 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, 13) }
```

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

```
.border{ border-color:rgb(0, 153, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.8115, 0.2981, 0.5932 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, 13) }
```

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

```
.background{ background-color: rgb(0, 153,  
13) }
```

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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