

Converting Colors

$Yxy(22.3305, 0.3023, 0.5982)$

Have a look what the booklet for
Yxy(22.3305, 0.3023, 0.5982)
contains.

Yxy(22.2188, 0.3024, 0.5981)	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(22.2188, 0.3024, 0.5981)

Conversions

Conversions Part 1

Format	Color
Hex	0D9700
RGB	13, 151, 0
RGB Percent	5%, 59%, 0%
CMY	0.9486, 0.4078, 1.0000
CMYK	0.91, 0.00, 1.00, 0.41
HSL	115°, 100%, 30%
HSV	115°, 100%, 59%
XYZ	11.2338, 22.2188, 3.6963
YIQ	92.5240, -33.7770, -76.2170

Conversions

Conversions Part 2

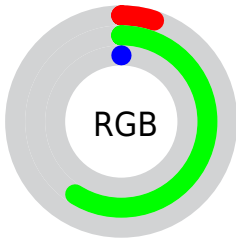
Format	Color
RYB	0, 151, 138
Decimal	890624
CIELab	54.26, -57.46, 56.38
CIELCh	54, 80.499, 135.546
Yxy	22.2188, 0.3024, 0.5981
Android (android.graphics.Color)	4279080704 (0xFF0D9700)
YUV	92.5240, -45.6143, -69.7425
Hunter-Lab	47.1368, -39.9486, 28.3464

Details

The Yxy color **22.2188, 0.3024, 0.5981** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.6280, 0.2995, 0.1424**, and the grayscale version is **10.9525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3306, 0.3144, 0.5352**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.2197, 0.3024, 0.5981**, and if you desaturate by 10%, it is **22.3998, 0.3040, 0.5868**.

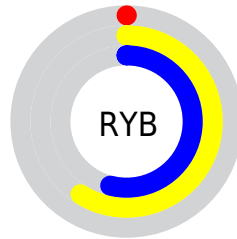
Distribution



Red (5%)

Green (59%)

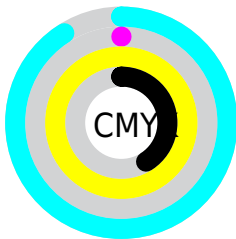
Blue (0%)



Red (0%)

Yellow (59%)

Blue (54%)

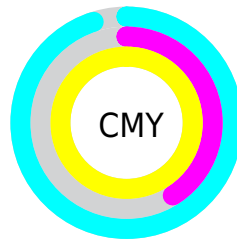


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (95%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2188, 0.3024, 0.5981 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 22.2188, 0.3024, 0.5981 by changing the saturation by 10% instead.


 22.2188, 0.3024,
0.5981


 22.2188, 0.3024,
0.5981


263.6868, 0.3210,
0.4383


 14.0178, 0.2890,
0.6439


 47.1074, 0.3145,
0.5345

 8.1330, 0.2693,
0.7142


 64.5637, 0.3173,
0.5121

 4.1802, 0.2214,
0.7786

 85.8739, 0.3189,
0.4939


 1.7749, 0.0521,
0.9479

 111.4223, 0.3199,
0.4788


 0.4714, 0.0000,
1.0000


 141.5934, 0.3205,
0.4662


 0.0000, 0.0000,
0.0000


 176.7716, 0.3208,


0.4555

 217.3413, 0.3210,
0.4463


 22.2188, 0.3024,
0.5981


 22.2188, 0.3024,
0.5981

 22.2197, 0.3024,
0.5981

 22.3998, 0.3040,
0.5868

 22.6932, 0.3061,
0.5691

 23.1228, 0.3081,
0.5440

 23.7025, 0.3098,
0.5136

 24.4447, 0.3111,
0.4801

■ 25.3604, 0.3120,
0.4459

■ 26.4595, 0.3126,
0.4128

■ 27.7514, 0.3129,
0.3819

■ 29.2446, 0.3129,
0.3539

Harmonies

Analogous

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



22.2188, 0.4202, 0.5518



22.2188, 0.3024, 0.5981



22.2188, 0.1926, 0.4948

Triad

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



22.2188, 0.3024, 0.5981



22.2188, 0.1171, 0.1514



22.2188, 0.5400, 0.2867

Complementary

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



22.2188, 0.3024, 0.5981



7.6280, 0.2995, 0.1424

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.



22.2188, 0.4094, 0.2167



22.2188, 0.3024, 0.5981



22.2188, 0.1676, 0.1434

Square

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



22.2188, 0.3024, 0.5981



22.2188, 0.1024, 0.1999



22.2188, 0.2656, 0.1659



22.2188, 0.5780, 0.3644

Rectangle

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



22.2188, 0.3024, 0.5981



22.2188, 0.1405, 0.3717



22.2188, 0.2656, 0.1659



22.2188, 0.5039, 0.2622

Sweetspot

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



22.2197, 0.3024, 0.5981



47.2574, 0.3126, 0.4147



24.1596, 0.4377, 0.4907



10.5601, 0.3124, 0.4274



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.



22.2197, 0.3024, 0.5981



39.7576, 0.3019, 0.5985



22.4638, 0.2805, 0.5298



6.9500, 0.3129, 0.3519



18.9088, 0.3026, 0.5979



0.2886, 0.3150, 0.5881

Inverse Universe

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



7.6280, 0.2995, 0.1424



13.6206, 0.2991, 0.1421



7.3279, 0.4515, 0.2261



6.2964, 0.3124, 0.3070



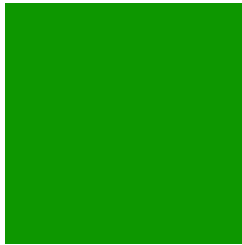
6.4954, 0.2997, 0.1424



0.1040, 0.3098, 0.1480

Previews

White Background



This preview shows how the Yxy color 22.2188, 0.3024, 0.5981 looks on a white background.

Color Contrast Check

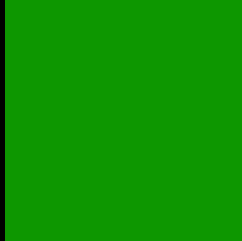
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2188, 0.3024, 0.5981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

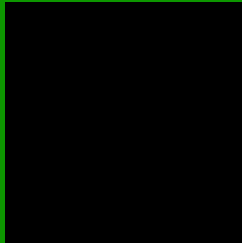
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2188, 0.3024, 0.5981

Background



This preview shows how black text looks on a background with the Yxy color 22.2188, 0.3024, 0.5981.



This preview shows how white text looks on a background with the Yxy color 22.2188, 0.3024, 0.5981.

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

22.2188, 0.3024, 0.5981

Protanopia

21.8115, 0.4409, 0.4881

Deuteranopia

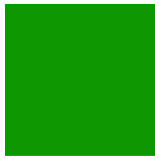
21.7103, 0.4582, 0.4494



Tritanopia

22.1132, 0.2372, 0.3057

Trichromacy



Original Color

22.2188, 0.3024, 0.5981



Protanomaly

20.4880, 0.3710, 0.5436



Deuteranomaly

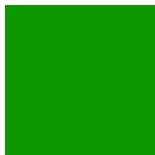
20.0173, 0.3818, 0.5196



Tritanomaly

21.3675, 0.2679, 0.4333

Monochromacy



Original Color

22.2188, 0.3024, 0.5981



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.4404, 0.3117, 0.4696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2188, 0.3024, 0.5981 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(13, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 151, 0)  
}
```

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(13, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.2188, 0.3024, 0.5981 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(13, 151, 0) }
```

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

```
.border{ border-color:rgb(13, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(13, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 151, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2188, 0.3024, 0.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 151, 0) }
```

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

```
.background{ background-color: rgb(13, 151,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor