

Converting Colors

$Y_{xy}(22.3219, 0.2944, 0.5798)$

Have a look what the booklet for
Yxy(22.3219, 0.2944, 0.5798)
contains.

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Color

$\text{Yxy}(22.2219, 0.2942, 0.5792)$

Conversions

Conversions Part 1

Format	Color
Hex	00971D
RGB	0, 151, 29
RGB Percent	0%, 59%, 11%
CMY	1.0000, 0.4078, 0.8862
CMYK	1.00, 0.00, 0.81, 0.41
HSL	132°, 100%, 30%
HSV	132°, 100%, 59%
XYZ	11.2874, 22.2219, 4.8572
YIQ	91.9430, -50.8340, -69.9540

Conversions

Conversions Part 2

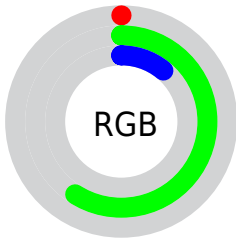
Format	Color
RYB	0, 127, 151
Decimal	38685
CIELab	54.26, -57.09, 50.21
CIELCh	54, 76.025, 138.667
Yxy	22.2219, 0.2942, 0.5792
Android (android.graphics.Color)	4278228765 (0xFF00971D)
YUV	91.9430, -31.0309, -80.6340
Hunter-Lab	47.1401, -39.7544, 26.8890

Details

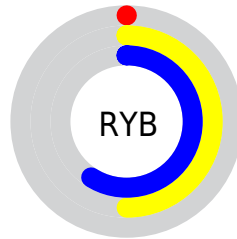
The Yxy color **22.2219, 0.2942, 0.5792** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.9847, 0.3754, 0.1842**, and the grayscale version is **10.7713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3404, 0.3059, 0.5183**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.2235, 0.2942, 0.5792**, and if you desaturate by 10%, it is **22.3987, 0.2925, 0.5615**.

Distribution



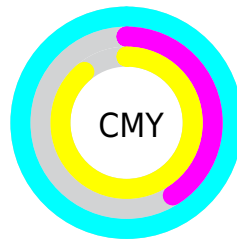
- Red (0%)
- Green (59%)
- Blue (11%)



- Red (0%)
- Yellow (50%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2219, 0.2942, 0.5792 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 22.2219, 0.2942, 0.5792 by changing the saturation by 10% instead.


 22.2219, 0.2942,
0.5792


 22.2219, 0.2942,
0.5792


263.7029, 0.3149,
0.4291


 14.0200, 0.2819,
0.6243


 47.1125, 0.3061,
0.5184


 8.1346, 0.2608,
0.6869


 64.5700, 0.3091,
0.4974

 4.1812, 0.2231,
0.7769

 85.8815, 0.3111,
0.4805

 1.7754, 0.0569,
0.9431

 111.4314, 0.3124,
0.4665

 0.4718, 0.0000,
1.0000

 141.6041, 0.3134,
0.4548

 0.0000, 0.0000,
0.0000

 176.7840, 0.3141,

0.4449

217.3555, 0.3145,
0.4365

■ 22.2219, 0.2942,
0.5792

■ 22.2219, 0.2942,
0.5792

■ 22.2235, 0.2942,
0.5792

■ 22.3987, 0.2925,
0.5615

■ 22.6746, 0.2913,
0.5388

■ 23.0883, 0.2914,
0.5121

■ 23.6553, 0.2925,
0.4831

■ 24.3893, 0.2947,
0.4534

■ 25.3022, 0.2977,
0.4243

■ 26.4050, 0.3012,
0.3969

■ 27.7076, 0.3050,
0.3718

■ 29.2194, 0.3089,
0.3491

Harmonies

Analogous

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



22.2219, 0.4080, 0.5519



22.2219, 0.2942, 0.5792



22.2219, 0.1902, 0.4671

Triad

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



22.2219, 0.2942, 0.5792



22.2219, 0.1275, 0.1561



22.2219, 0.5368, 0.2978

Complementary

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



22.2219, 0.2942, 0.5792



7.9847, 0.3754, 0.1842

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.



22.2219, 0.4197, 0.2282



22.2219, 0.2942, 0.5792



22.2219, 0.1812, 0.1512

Square

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



22.2219, 0.2942, 0.5792



22.2219, 0.1099, 0.1992



22.2219, 0.2811, 0.1762



22.2219, 0.5647, 0.3750

Rectangle

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



22.2219, 0.2942, 0.5792



22.2219, 0.1426, 0.3531



22.2219, 0.2811, 0.1762



22.2219, 0.5055, 0.2735

Sweetspot

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



22.2235, 0.2942, 0.5792



47.1563, 0.3010, 0.3985



26.3694, 0.3878, 0.5303



10.5363, 0.2996, 0.4090



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.



22.2235, 0.2942, 0.5792



39.7761, 0.2949, 0.5818



23.1178, 0.2539, 0.4339



6.9440, 0.3092, 0.3475



18.9082, 0.2940, 0.5783



0.2869, 0.2760, 0.5135

Inverse Universe

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



7.9847, 0.3754, 0.1842



14.2730, 0.3767, 0.1849



6.7917, 0.5663, 0.2894



6.3033, 0.3165, 0.3112



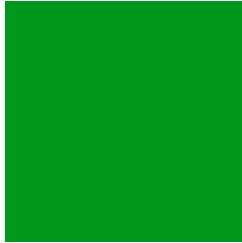
6.7963, 0.3750, 0.1840



0.1063, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 22.2219, 0.2942, 0.5792 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 22.2219, 0.2942, 0.5792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

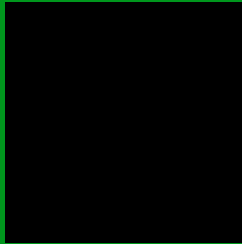
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2219, 0.2942, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 22.2219, 0.2942, 0.5792.



This preview shows how white text looks on a background with the Yxy color 22.2219, 0.2942, 0.5792.

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

22.2219, 0.2942, 0.5792

Protanopia

21.7821, 0.4331, 0.4793

Deuteranopia

21.9174, 0.4490, 0.4430



Tritanopia

22.3735, 0.2371, 0.3076

Trichromacy



Original Color

22.2219, 0.2942, 0.5792



Protanomaly

20.2368, 0.3573, 0.5342



Deuteranomaly

19.7398, 0.3659, 0.5081



Tritanomaly

21.7635, 0.2586, 0.4121

Monochromacy



Original Color

22.2219, 0.2942, 0.5792



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

13.1697, 0.2961, 0.4440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2219, 0.2942, 0.5792 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, 151, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 29)  
}
```

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, 151, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 29) }
```

Border

The CSS property to change the border of an element to Yxy 22.2219, 0.2942, 0.5792 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, 151, 29) }
```

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

```
.border{ border-color:rgb(0, 151, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2219, 0.2942, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 29) }
```

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

```
.background{ background-color: rgb(0, 151,  
29) }
```

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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