

Converting Colors

$Yxy(19.7504, 0.2040, 0.5790)$

Have a look what the booklet for
Yxy(19.7504, 0.2040, 0.5790)
contains.

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Color

Yxy(22.1182, 0.2816, 0.5337)

Conversions

Conversions Part 1

Format	Color
Hex	00963A
RGB	0, 150, 58
RGB Percent	0%, 59%, 23%
CMY	0.9997, 0.4118, 0.7726
CMYK	1.00, 0.00, 0.61, 0.41
HSL	143°, 100%, 29%
HSV	143°, 100%, 59%
XYZ	11.6704, 22.1182, 7.6545
YIQ	94.6620, -59.8680, -60.4120

Conversions

Conversions Part 2

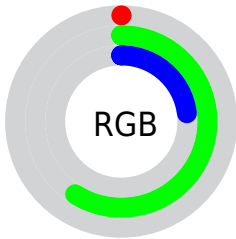
Format	Color
RYB	0, 108, 150
Decimal	38458
CIELab	54.15, -53.87, 38.41
CIElCh	54, 66.157, 144.509
Yxy	22.1182, 0.2816, 0.5337
Android (android.graphics.Color)	4278228538 (0xFF00963A)
YUV	94.6620, -18.0744, -83.0186
Hunter-Lab	47.0300, -38.0081, 23.2710

Details

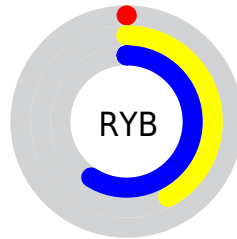
The Yxy color **22.1182, 0.2816, 0.5337** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.2603, 0.4458, 0.2230**, and the grayscale version is **11.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7238, 0.2931, 0.4826**, and **8.5582, 0.2985, 0.5945** is the 20% darker color. If you saturate the color by 10%, you get **22.1181, 0.2816, 0.5338**, and if you desaturate by 10%, it is **22.3230, 0.2790, 0.5137**.

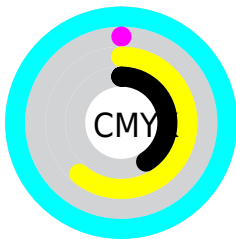
Distribution



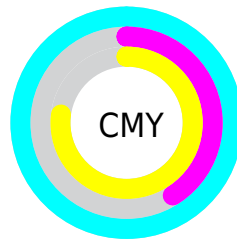
- Red (0%)
- Green (59%)
- Blue (23%)



- Red (0%)
- Yellow (42%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1182, 0.2816, 0.5337 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 22.1182, 0.2816, 0.5337 by changing the saturation by 10% instead.


 22.1182, 0.2816,
0.5337


 22.1182, 0.2816,
0.5337


263.1629, 0.3053,
0.4099


 13.9438, 0.2709,
0.5732


 46.9413, 0.2932,
0.4826


 8.0816, 0.2531,
0.6292


 64.3587, 0.2965,
0.4653

 4.1472, 0.2275,
0.7326

 85.6260, 0.2990,
0.4514

 1.7562, 0.0902,
0.9098

 111.1274, 0.3009,
0.4401

 0.4597, 0.0000,
1.0000

 141.2474, 0.3024,
0.4306

 0.0000, 0.0000,
0.0000

 176.3704, 0.3036,

0.4227

216.8808, 0.3045,
0.4158

■ 22.1182, 0.2816,
0.5337

■ 22.1182, 0.2816,
0.5337

■ 22.1181, 0.2816,
0.5338

■ 22.3230, 0.2790,
0.5137

■ 22.6178, 0.2775,
0.4919

■ 23.0385, 0.2779,
0.4688

■ 23.5992, 0.2799,
0.4454

■ 24.3122, 0.2834,
0.4224

■ 25.1883, 0.2881,
0.4004

■ 26.2372, 0.2937,
0.3799

■ 27.4681, 0.2998,
0.3611

■ 28.8893, 0.3062,
0.3441

Harmonies

Analogous

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



22.1182, 0.3857, 0.5398



22.1182, 0.2816, 0.5337



22.1182, 0.1910, 0.4199

Triad

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



22.1182, 0.2816, 0.5337



22.1182, 0.1511, 0.1694



22.1182, 0.5216, 0.3183

Complementary

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



22.1182, 0.2816, 0.5337



7.2603, 0.4458, 0.2230

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.



22.1182, 0.4307, 0.2509



22.1182, 0.2816, 0.5337



22.1182, 0.2094, 0.1697

Square

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



22.1182, 0.2816, 0.5337



22.1182, 0.1285, 0.2033



22.1182, 0.3081, 0.1982



22.1182, 0.5343, 0.3927

Rectangle

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



22.1182, 0.2816, 0.5337



22.1182, 0.1518, 0.3262



22.1182, 0.3081, 0.1982



22.1182, 0.4988, 0.2949

Sweetspot

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



22.1191, 0.2816, 0.5337



46.1730, 0.2933, 0.3812



24.1162, 0.3548, 0.5565



10.0703, 0.2911, 0.3888



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1191, 0.2816, 0.5337



39.0006, 0.2826, 0.5373



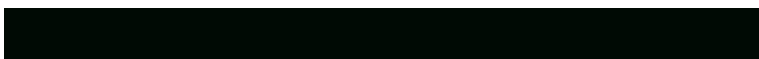
23.4937, 0.2348, 0.3651



6.5033, 0.3067, 0.3429



18.3497, 0.2812, 0.5324



0.2301, 0.2579, 0.4485

Inverse Universe

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



7.2603, 0.4458, 0.2230



12.7736, 0.4489, 0.2247



6.5282, 0.6231, 0.3207



5.8716, 0.3193, 0.3155



6.0259, 0.4447, 0.2224



0.0795, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 22.1182, 0.2816, 0.5337 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 22.1182, 0.2816, 0.5337 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 22.1182, 0.2816, 0.5337

Background



This preview shows how black text looks on a background with the Yxy color 22.1182, 0.2816, 0.5337.



This preview shows how white text looks on a background with the Yxy color 22.1182, 0.2816, 0.5337.

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

22.1182, 0.2816, 0.5337

Protanopia

21.8777, 0.4138, 0.4533

Deuteranopia

21.8284, 0.4247, 0.4182



Tritanopia

22.2774, 0.2354, 0.3075

Trichromacy



Original Color

22.1182, 0.2816, 0.5337



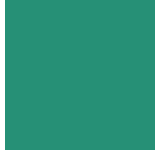
Protanomaly

20.4330, 0.3408, 0.4965



Deuteranomaly

19.9006, 0.3462, 0.4702



Tritanomaly

21.6666, 0.2495, 0.3849

Monochromacy



Original Color

22.1182, 0.2816, 0.5337



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

13.8313, 0.2841, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1182, 0.2816, 0.5337 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, 150, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 58)  
}
```

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, 150, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 58) }
```

Border

The CSS property to change the border of an element to Yxy 22.1182, 0.2816, 0.5337 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, 150, 58) }
```

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

```
.border{ border-color:rgb(0, 150, 58) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.1182, 0.2816, 0.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 58) }
```

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

```
.background{ background-color: rgb(0, 150,  
58) }
```

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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