

Converting Colors

$Yxy(22.6868, 0.2861, 0.5498)$

Have a look what the booklet for
Yxy(22.6868, 0.2861, 0.5498)
contains.

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Color

Yxy(22.6868, 0.2861, 0.5498)

Conversions

Conversions Part 1

Format	Color
Hex	009832
RGB	0, 152, 50
RGB Percent	0%, 60%, 20%
CMY	0.9991, 0.4039, 0.8040
CMYK	1.00, 0.00, 0.67, 0.40
HSL	140°, 100%, 30%
HSV	140°, 100%, 60%
XYZ	11.8056, 22.6868, 6.7714
YIQ	94.9240, -57.8500, -63.9460

Conversions

Conversions Part 2

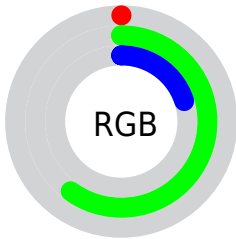
Format	Color
RYB	0, 114, 152
Decimal	38962
CIELab	54.75, -55.48, 42.74
CIELCh	55, 70.034, 142.389
Yxy	22.6868, 0.2861, 0.5498
Android (android.graphics.Color)	4278229042 (0xFF009832)
YUV	94.9240, -22.1475, -83.2483
Hunter-Lab	47.6307, -39.1113, 24.9125

Details

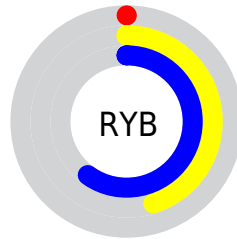
The Yxy color **22.6868, 0.2861, 0.5498** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.6443, 0.4231, 0.2106**, and the grayscale version is **11.5049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0776, 0.2973, 0.4957**, and **8.9237, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.6850, 0.2861, 0.5501**, and if you desaturate by 10%, it is **22.8896, 0.2835, 0.5296**.

Distribution



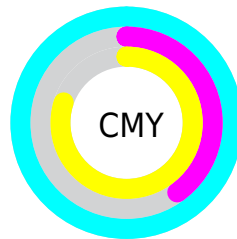
- Red (0%)
- Green (60%)
- Blue (20%)



- Red (0%)
- Yellow (45%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6868, 0.2861, 0.5498 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 22.6868, 0.2861, 0.5498 by changing the saturation by 10% instead.


 22.6868, 0.2861,
0.5498


 22.6868, 0.2861,
0.5498


266.1122, 0.3085,
0.4169


 14.3624, 0.2751,
0.5913


 47.8785, 0.2976,
0.4954


 8.3732, 0.2565,
0.6490

 65.5147, 0.3007,
0.4768


 4.3346, 0.2333,
0.7667

 87.0235, 0.3030,
0.4618

 1.8625, 0.0959,
0.9041

 112.7895, 0.3047,
0.4496

 0.5257, 0.0000,
1.0000

 143.1969, 0.3060,
0.4394

 0.0000, 0.0000,
0.0000

 178.6303, 0.3070,

0.4307

219.4739, 0.3078,
0.4233

■ 22.6868, 0.2861,
0.5498

■ 22.6868, 0.2861,
0.5498

■ 22.6850, 0.2861,
0.5501

■ 22.8896, 0.2835,
0.5296

■ 23.1891, 0.2820,
0.5069

■ 23.6214, 0.2821,
0.4822

■ 24.2016, 0.2838,
0.4568

■ 24.9426, 0.2869,
0.4316

■ 25.8557, 0.2910,
0.4074

■ 26.9513, 0.2960,
0.3848

■ 28.2388, 0.3014,
0.3641

■ 29.7272, 0.3071,
0.3454

Harmonies

Analogous

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



22.6868, 0.3937, 0.5451



22.6868, 0.2861, 0.5498



22.6868, 0.1907, 0.4354

Triad

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



22.6868, 0.2861, 0.5498



22.6868, 0.1427, 0.1647



22.6868, 0.5271, 0.3112

Complementary

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



22.6868, 0.2861, 0.5498



7.6443, 0.4231, 0.2106

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.



22.6868, 0.4273, 0.2430



22.6868, 0.2861, 0.5498



22.6868, 0.1994, 0.1632

Square

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



22.6868, 0.2861, 0.5498



22.6868, 0.1219, 0.2017



22.6868, 0.2989, 0.1905



22.6868, 0.5449, 0.3868

Rectangle

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



22.6868, 0.2861, 0.5498



22.6868, 0.1485, 0.3348



22.6868, 0.2989, 0.1905



22.6868, 0.5015, 0.2875

Sweetspot

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



22.6877, 0.2861, 0.5498



47.4200, 0.2956, 0.3864



25.3959, 0.3653, 0.5480



10.6007, 0.2936, 0.3950



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.



22.6877, 0.2861, 0.5498



40.0123, 0.2871, 0.5534



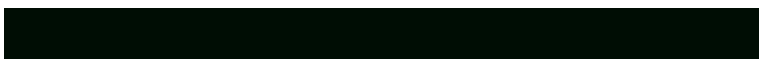
23.9173, 0.2409, 0.3873



6.9573, 0.3074, 0.3443



19.0264, 0.2858, 0.5488



0.2907, 0.2632, 0.4674

Inverse Universe

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



7.6443, 0.4231, 0.2106



13.4482, 0.4258, 0.2119



6.7642, 0.6082, 0.3126



6.2892, 0.3184, 0.3142



6.4103, 0.4225, 0.2101



0.1025, 0.3694, 0.1808

Previews

White Background



This preview shows how the Yxy color 22.6868, 0.2861, 0.5498 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 22.6868, 0.2861, 0.5498 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

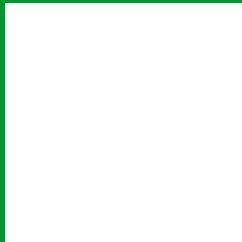
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6868, 0.2861, 0.5498

Background



This preview shows how black text looks on a background with the Yxy color 22.6868, 0.2861, 0.5498.



This preview shows how white text looks on a background with the Yxy color 22.6868, 0.2861, 0.5498.

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

22.6868, 0.2861, 0.5498

Protanopia

22.5254, 0.4202, 0.4634

Deuteranopia

22.3081, 0.4343, 0.4269



Tritanopia

22.7032, 0.2357, 0.3059

Trichromacy



Original Color

22.6868, 0.2861, 0.5498



Protanomaly

20.9897, 0.3463, 0.5105



Deuteranomaly

20.2193, 0.3539, 0.4824



Tritanomaly

22.2698, 0.2526, 0.3932

Monochromacy



Original Color

22.6868, 0.2861, 0.5498



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

14.0474, 0.2883, 0.4227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6868, 0.2861, 0.5498 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, 152, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 50)  
}
```

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, 152, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.6868, 0.2861, 0.5498 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, 152, 50) }
```

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

```
.border{ border-color:rgb(0, 152, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.6868, 0.2861, 0.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 50) }
```

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

```
.background{ background-color: rgb(0, 152,  
50) }
```

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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