

Converting Colors

$Yxy(20.5806, 0.2648, 0.5620)$

Have a look what the booklet for
Yxy(20.5806, 0.2648, 0.5620)
contains.

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Color

$\text{Yxy}(21.4016, 0.2858, 0.5488)$

Conversions

Conversions Part 1

Format	Color
Hex	009431
RGB	0, 148, 49
RGB Percent	0%, 58%, 19%
CMY	0.9996, 0.4196, 0.8078
CMYK	1.00, 0.00, 0.67, 0.42
HSL	140°, 100%, 29%
HSV	140°, 100%, 58%
XYZ	11.1454, 21.4016, 6.4501
YIQ	92.4620, -56.4290, -62.1650

Conversions

Conversions Part 2

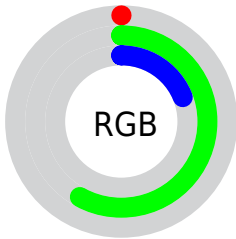
Format	Color
RYB	0, 111, 148
Decimal	37937
CIELab	53.39, -54.35, 41.67
CIELCh	53, 68.482, 142.524
Yxy	21.4016, 0.2858, 0.5488
Android (android.graphics.Color)	4278228017 (0xFF009431)
YUV	92.4620, -21.4268, -81.0892
Hunter-Lab	46.2619, -37.9542, 24.1167

Details

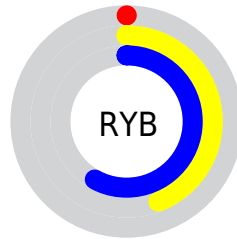
The Yxy color **21.4016, 0.2858, 0.5488** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.2008, 0.4240, 0.2110**, and the grayscale version is **10.8830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6104, 0.2972, 0.4930**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.4012, 0.2858, 0.5489**, and if you desaturate by 10%, it is **21.5956, 0.2833, 0.5286**.

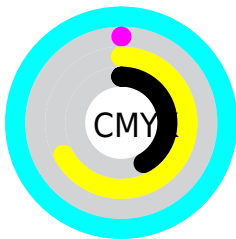
Distribution



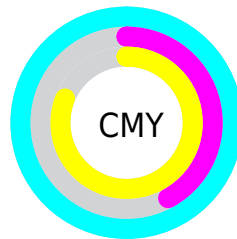
- Red (0%)
- Green (58%)
- Blue (19%)



- Red (0%)
- Yellow (44%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4016, 0.2858, 0.5488 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 21.4016, 0.2858, 0.5488 by changing the saturation by 10% instead.


 21.4016, 0.2858,
0.5488


 21.4016, 0.2858,
0.5488


259.4051, 0.3084,
0.4154


 13.4179, 0.2746,
0.5911


 45.7550, 0.2974,
0.4938


 7.7169, 0.2553,
0.6504


 62.8934, 0.3006,
0.4751


 3.9144, 0.2300,
0.7700

 83.8522, 0.3029,
0.4602

 1.6258, 0.0479,
0.9521

 109.0157, 0.3046,
0.4479

 0.3749, 0.0000,
1.0000

 138.7683, 0.3059,
0.4378

 0.0000, 0.0000,
0.0000

 173.4945, 0.3069,

0.4292

213.5787, 0.3077,
0.4218

■ 21.4016, 0.2858,
0.5488

■ 21.4016, 0.2858,
0.5488

■ 21.4012, 0.2858,
0.5489

■ 21.5956, 0.2833,
0.5286

■ 21.8790, 0.2818,
0.5059

■ 22.2872, 0.2819,
0.4814

■ 22.8342, 0.2836,
0.4561

■ 23.5320, 0.2867,
0.4311

■ 24.3912, 0.2909,
0.4070

■ 25.4217, 0.2958,
0.3846

■ 26.6321, 0.3013,
0.3640

■ 28.0309, 0.3070,
0.3454

Harmonies

Analogous

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



21.4016, 0.3931, 0.5448



21.4016, 0.2858, 0.5488



21.4016, 0.1907, 0.4344

Triad

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



21.4016, 0.2858, 0.5488



21.4016, 0.1432, 0.1650



21.4016, 0.5268, 0.3117

Complementary

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



21.4016, 0.2858, 0.5488



7.2008, 0.4240, 0.2110

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.



21.4016, 0.4276, 0.2435



21.4016, 0.2858, 0.5488



21.4016, 0.2001, 0.1636

Square

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



21.4016, 0.2858, 0.5488



21.4016, 0.1223, 0.2018



21.4016, 0.2995, 0.1909



21.4016, 0.5443, 0.3872

Rectangle

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



21.4016, 0.2858, 0.5488



21.4016, 0.1487, 0.3343



21.4016, 0.2995, 0.1909



21.4016, 0.5013, 0.2880

Sweetspot

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



21.4025, 0.2858, 0.5488



44.7237, 0.2955, 0.3860



23.9565, 0.3654, 0.5480



10.0440, 0.2935, 0.3945



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.



21.4025, 0.2858, 0.5488



37.7324, 0.2868, 0.5524



22.5583, 0.2409, 0.3872



6.4982, 0.3074, 0.3442



18.2846, 0.2855, 0.5478



0.2288, 0.2625, 0.4649

Inverse Universe

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



7.2008, 0.4240, 0.2110



12.6675, 0.4266, 0.2124



6.3783, 0.6080, 0.3124



5.8769, 0.3185, 0.3143



6.1533, 0.4233, 0.2106



0.0808, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 21.4016, 0.2858, 0.5488 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 21.4016, 0.2858, 0.5488 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 21.4016, 0.2858, 0.5488

Background



This preview shows how black text looks on a background with the Yxy color 21.4016, 0.2858, 0.5488.



This preview shows how white text looks on a background with the Yxy color 21.4016, 0.2858, 0.5488.

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

21.4016, 0.2858, 0.5488

Protanopia

21.1039, 0.4203, 0.4625

Deuteranopia

21.1483, 0.4335, 0.4263



Tritanopia

21.3396, 0.2354, 0.3053

Trichromacy



Original Color

21.4016, 0.2858, 0.5488



Protanomaly

19.6911, 0.3457, 0.5098



Deuteranomaly

19.2178, 0.3528, 0.4821



Tritanomaly

20.9503, 0.2521, 0.3926

Monochromacy



Original Color

21.4016, 0.2858, 0.5488



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

13.0400, 0.2888, 0.4230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4016, 0.2858, 0.5488 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, 148, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 49)  
}
```

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, 148, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 49) }
```

Border

The CSS property to change the border of an element to Yxy 21.4016, 0.2858, 0.5488 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, 148, 49) }
```

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

```
.border{ border-color:rgb(0, 148, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4016, 0.2858, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 49) }
```

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

```
.background{ background-color: rgb(0, 148,  
49) }
```

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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