

Converting Colors

$Yxy(19.2095, 0.1860, 0.5099)$

Have a look what the booklet for
Yxy(19.2095, 0.1860, 0.5099)
contains.

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Color

Yxy(21.8043, 0.2658, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	009453
RGB	0, 148, 83
RGB Percent	0%, 58%, 33%
CMY	1.0000, 0.4196, 0.6744
CMYK	1.00, 0.00, 0.44, 0.42
HSL	154°, 100%, 29%
HSV	154°, 100%, 58%
XYZ	12.1501, 21.8043, 11.7570
YIQ	96.3380, -67.3430, -51.5910

Conversions

Conversions Part 2

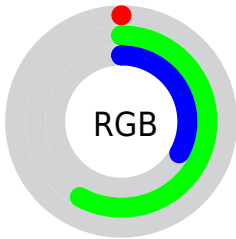
Format	Color
RYB	0, 95, 148
Decimal	37971
CIELab	53.82, -49.07, 25.14
CIELCh	54, 55.134, 152.872
Yxy	21.8043, 0.2658, 0.4770
Android (android.graphics.Color)	4278228051 (0xFF009453)
YUV	96.3380, -6.5756, -84.4884
Hunter-Lab	46.6951, -35.2706, 17.7584

Details

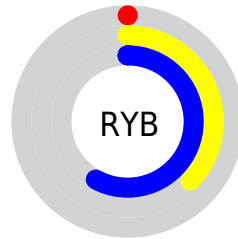
The Yxy color **21.8043, 0.2658, 0.4770** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.6778, 0.5176, 0.2625**, and the grayscale version is **11.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3366, 0.2787, 0.4402**, and **8.4931, 0.2802, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **21.8065, 0.2658, 0.4770**, and if you desaturate by 10%, it is **22.0115, 0.2640, 0.4608**.

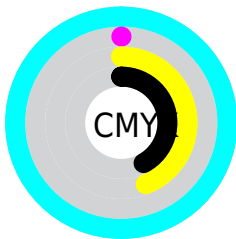
Distribution



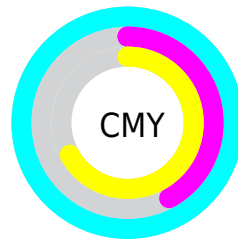
- Red (0%)
- Green (58%)
- Blue (33%)



- Red (0%)
- Yellow (37%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (42%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8043, 0.2658, 0.4770 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 21.8043, 0.2658, 0.4770 by changing the saturation by 10% instead.


 21.8043, 0.2658,
0.4770


 21.8043, 0.2658,
0.4770


261.5226, 0.2953,
0.3878

 13.7132, 0.2554,
0.5062


 46.4223, 0.2785,
0.4400


 7.9214, 0.2396,
0.5489


 63.7180, 0.2826,
0.4275


 4.0447, 0.2132,
0.6160

 84.8507, 0.2858,
0.4176

 1.6986, 0.1311,
0.8689

 110.2048, 0.2885,
0.4095

 0.4228, 0.0000,
1.0000

 140.1646, 0.2906,
0.4027

 0.0000, 0.0000,
0.0000

 175.1145, 0.2924,

0.3970

215.4391, 0.2940,
0.3920

■ 21.8043, 0.2658,
0.4770

■ 21.8043, 0.2658,
0.4770

■ 21.8065, 0.2658,
0.4770

■ 22.0115, 0.2640,
0.4608

■ 22.2965, 0.2635,
0.4441

■ 22.6956, 0.2649,
0.4273

■ 23.2220, 0.2682,
0.4107

■ 23.8872, 0.2732,
0.3946

■ 24.7011, 0.2795,
0.3792

■ 25.6729, 0.2869,
0.3649

■ 26.8110, 0.2951,
0.3518

■ 28.1230, 0.3038,
0.3398

Harmonies

Analogous

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



21.8043, 0.3564, 0.5134



21.8043, 0.2658, 0.4770



21.8043, 0.1931, 0.3726

Triad

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



21.8043, 0.2658, 0.4770



21.8043, 0.1827, 0.1870



21.8043, 0.4997, 0.3422

Complementary

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



21.8043, 0.2658, 0.4770



6.6778, 0.5176, 0.2625

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.



21.8043, 0.4384, 0.2786



21.8043, 0.2658, 0.4770



21.8043, 0.2451, 0.1940

Square

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



21.8043, 0.2658, 0.4770



21.8043, 0.1534, 0.2097



21.8043, 0.3384, 0.2263



21.8043, 0.4965, 0.4106

Rectangle

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



21.8043, 0.2658, 0.4770



21.8043, 0.1641, 0.3007



21.8043, 0.3384, 0.2263



21.8043, 0.4861, 0.3203

Sweetspot

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



21.8065, 0.2658, 0.4770



45.1842, 0.2864, 0.3658



22.3608, 0.3313, 0.5752



10.1585, 0.2835, 0.3711



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.



21.8065, 0.2658, 0.4770



38.4383, 0.2667, 0.4800



21.0718, 0.2205, 0.3136



6.5196, 0.3045, 0.3389



18.6303, 0.2656, 0.4760



0.2340, 0.2458, 0.4048

Inverse Universe

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



6.6778, 0.5176, 0.2625



11.7483, 0.5222, 0.2651



6.4571, 0.6354, 0.3337



5.8552, 0.3218, 0.3193



5.7088, 0.5161, 0.2617



0.0756, 0.4193, 0.2083

Previews

White Background



This preview shows how the Yxy color 21.8043, 0.2658, 0.4770 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 21.8043, 0.2658, 0.4770 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 21.8043, 0.2658, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 21.8043, 0.2658, 0.4770.



This preview shows how white text looks on a background with the Yxy color 21.8043, 0.2658, 0.4770.

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

21.8043, 0.2658, 0.4770

Protanopia

21.5218, 0.3876, 0.4212

Deuteranopia

21.4126, 0.3929, 0.3841



Tritanopia

21.8028, 0.2331, 0.3073

Trichromacy



Original Color

21.8043, 0.2658, 0.4770



Protanomaly

20.0019, 0.3183, 0.4497



Deuteranomaly

19.4621, 0.3195, 0.4210



Tritanomaly

21.5086, 0.2424, 0.3650

Monochromacy



Original Color

21.8043, 0.2658, 0.4770



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.0089, 0.2760, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8043, 0.2658, 0.4770 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 83) }
```

Border

The CSS property to change the border of an element to Yxy 21.8043, 0.2658, 0.4770 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, 83) }
```

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

```
.border{ border-color:rgb(0, 148, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.8043, 0.2658, 0.4770 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, 83) }
```

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

```
.background{ background-color: rgb(0, 148,  
83) }
```

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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