

Converting Colors

$Yxy(21.5671, 0.2361, 0.4274)$

Have a look what the booklet for
Yxy(21.5671, 0.2361, 0.4274)
contains.

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Color

$\text{Yxy}(22.1997, 0.2513, 0.4245)$

Conversions

Conversions Part 1

Format	Color
Hex	009469
RGB	0, 148, 105
RGB Percent	0%, 58%, 41%
CMY	0.9988, 0.4196, 0.5883
CMYK	1.00, 0.00, 0.29, 0.42
HSL	163°, 100%, 29%
HSV	163°, 100%, 58%
XYZ	13.1420, 22.1997, 16.9544
YIQ	98.8460, -74.4050, -44.7490

Conversions

Conversions Part 2

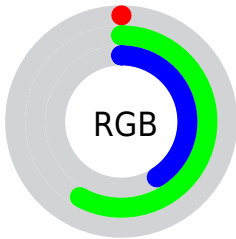
Format	Color
RYB	0, 87, 148
Decimal	37993
CIELab	54.24, -44.20, 13.50
CIELCh	54, 46.217, 163.013
Yxy	22.1997, 0.2513, 0.4245
Android (android.graphics.Color)	4278228073 (0xFF009469)
YUV	98.8460, 3.0339, -86.6879
Hunter-Lab	47.1166, -32.6658, 11.6467

Details

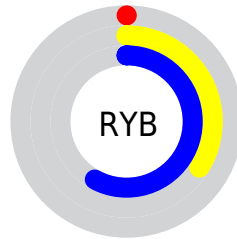
The Yxy color **22.1997, 0.2513, 0.4245** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.4789, 0.5744, 0.2940**, and the grayscale version is **12.4660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0435, 0.2657, 0.4019**, and **8.6712, 0.2599, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **22.1968, 0.2513, 0.4247**, and if you desaturate by 10%, it is **22.3919, 0.2507, 0.4138**.

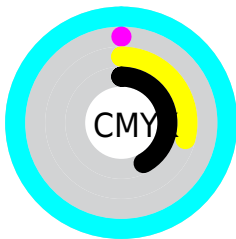
Distribution



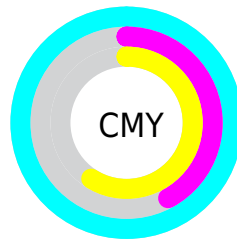
- Red (0%)
- Green (58%)
- Blue (41%)



- Red (0%)
- Yellow (34%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1997, 0.2513, 0.4245 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 22.1997, 0.2513, 0.4245 by changing the saturation by 10% instead.


 22.1997, 0.2513,
0.4245


 22.1997, 0.2513,
0.4245


263.5874, 0.2869,
0.3682


 14.0037, 0.2403,
0.4425


 47.0758, 0.2657,
0.4014


 8.1232, 0.2245,
0.4686


 64.5248, 0.2706,
0.3936

 4.1739, 0.2004,
0.5097

 85.8268, 0.2746,
0.3873

 1.7713, 0.1415,
0.5979

 111.3664, 0.2780,
0.3821

 0.4692, 0.0000,
1.0000

 141.5278, 0.2807,
0.3778

 0.0000, 0.0000,
0.0000

 176.6955, 0.2831,

0.3741

217.2539, 0.2852,
0.3709

■ 22.1997, 0.2513,
0.4245

■ 22.1997, 0.2513,
0.4245

■ 22.1968, 0.2513,
0.4247

■ 22.3919, 0.2507,
0.4138

■ 22.6595, 0.2514,
0.4030

■ 23.0361, 0.2541,
0.3922

■ 23.5349, 0.2586,
0.3816

■ 24.1670, 0.2649,
0.3713

■ 24.9422, 0.2726,
0.3615

■ 25.8696, 0.2815,
0.3523

■ 26.9573, 0.2914,
0.3438

■ 28.2129, 0.3020,
0.3360

Harmonies

Analogous

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



22.1997, 0.3268, 0.4782



22.1997, 0.2513, 0.4245



22.1997, 0.1967, 0.3355

Triad

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



22.1997, 0.2513, 0.4245



22.1997, 0.2163, 0.2056



22.1997, 0.4754, 0.3641

Complementary

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



22.1997, 0.2513, 0.4245



6.4789, 0.5744, 0.2940

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.



22.1997, 0.4403, 0.3056



22.1997, 0.2513, 0.4245



22.1997, 0.2807, 0.2194

Square

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



22.1997, 0.2513, 0.4245



22.1997, 0.1803, 0.2175



22.1997, 0.3644, 0.2547



22.1997, 0.4586, 0.4233

Rectangle

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



22.1997, 0.2513, 0.4245



22.1997, 0.1776, 0.2817



22.1997, 0.3644, 0.2547



22.1997, 0.4696, 0.3442

Sweetspot

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



22.2006, 0.2513, 0.4245



45.5061, 0.2808, 0.3530



21.7286, 0.3153, 0.5877



10.2395, 0.2773, 0.3565



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.



22.2006, 0.2513, 0.4245



39.1359, 0.2519, 0.4268



15.2050, 0.2070, 0.2648



6.5337, 0.3026, 0.3355



18.9654, 0.2511, 0.4241



0.2373, 0.2374, 0.3748

Inverse Universe

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



6.4789, 0.5744, 0.2940



11.3913, 0.5800, 0.2969



7.2168, 0.6145, 0.3499



5.8415, 0.3239, 0.3226



5.5316, 0.5735, 0.2933



0.0723, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 22.1997, 0.2513, 0.4245 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 22.1997, 0.2513, 0.4245 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 22.1997, 0.2513, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 22.1997, 0.2513, 0.4245.



This preview shows how white text looks on a background with the Yxy color 22.1997, 0.2513, 0.4245.

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

22.1997, 0.2513, 0.4245

Protanopia

21.9483, 0.3611, 0.3877

Deuteranopia

21.8370, 0.3594, 0.3530



Tritanopia

22.2989, 0.2300, 0.3074

Trichromacy



Original Color

22.1997, 0.2513, 0.4245

Protanomaly

20.5839, 0.2978, 0.4064

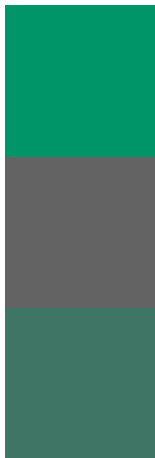
Deuteranomaly

20.2375, 0.2952, 0.3803

Tritanomaly

22.0154, 0.2350, 0.3453

Monochromacy



Original Color

22.1997, 0.2513, 0.4245

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.7189, 0.2686, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1997, 0.2513, 0.4245 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, 105)` looks like.

```
.text, #text, p{  
  color:rgb(0, 148, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 105) }
```

Border

The CSS property to change the border of an element to Yxy 22.1997, 0.2513, 0.4245 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, 105) }
```

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

```
.border{ border-color:rgb(0, 148, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1997, 0.2513, 0.4245 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, 105) }
```

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

```
.background{ background-color: rgb(0, 148,  
105) }
```

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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