

Converting Colors

$Yxy(22.3015, 0.2479, 0.4117)$

Have a look what the booklet for
Yxy(22.3015, 0.2479, 0.4117)
contains.

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Color

Yxy(22.3121, 0.2481, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	01946E
RGB	1, 148, 110
RGB Percent	0%, 58%, 43%
CMY	0.9960, 0.4196, 0.5687
CMYK	0.99, 0.00, 0.26, 0.42
HSL	164°, 99%, 29%
HSV	164°, 99%, 58%
XYZ	13.4165, 22.3121, 18.3483
YIQ	99.7150, -75.4140, -42.9820

Conversions

Conversions Part 2

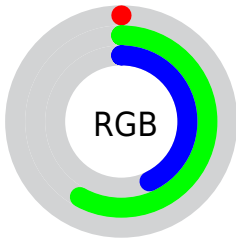
Format	Color
RYB	1, 85, 148
Decimal	103534
CIELab	54.36, -42.92, 10.84
CIElCh	54, 44.270, 165.833
Yxy	22.3121, 0.2481, 0.4126
Android (android.graphics.Color)	4278293614 (0xFF01946E)
YUV	99.7150, 5.0705, -86.5731
Hunter-Lab	47.2357, -31.9627, 10.0343

Details

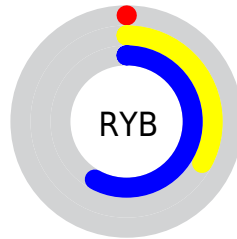
The Yxy color **22.3121, 0.2481, 0.4126** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.4649, 0.5839, 0.2998**, and the grayscale version is **12.6702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2989, 0.2629, 0.3920**, and **8.7135, 0.2560, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **22.3007, 0.2481, 0.4133**, and if you desaturate by 10%, it is **22.5001, 0.2478, 0.4032**.

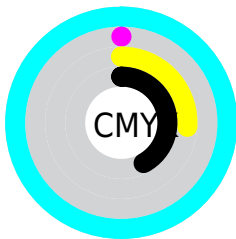
Distribution



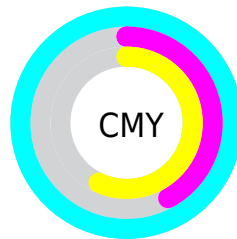
- Red (0%)
- Green (58%)
- Blue (43%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (26%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3121, 0.2481, 0.4126 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 22.3121, 0.2481, 0.4126 by changing the saturation by 10% instead.


 22.3121, 0.2481,
0.4126


 22.3121, 0.2481,
0.4126


264.1718, 0.2852,
0.3636


 14.0864, 0.2369,
0.4280


 47.2613, 0.2629,
0.3927


 8.1808, 0.2210,
0.4503


 64.7536, 0.2681,
0.3859


 4.2108, 0.1970,
0.4851

 86.1035, 0.2722,
0.3804

 1.7922, 0.1434,
0.5552

 111.6955, 0.2757,
0.3759

 0.4823, 0.0000,
1.0000

 141.9139, 0.2786,
0.3721

 0.0000, 0.0000,
0.0000

 177.1432, 0.2811,

0.3688

217.7677, 0.2833,
0.3661

■ 22.3121, 0.2481,
0.4126

■ 22.3121, 0.2481,
0.4126

■ 22.3007, 0.2481,
0.4133

■ 22.5001, 0.2478,
0.4032

■ 22.7658, 0.2489,
0.3937

■ 23.1403, 0.2519,
0.3843

■ 23.6366, 0.2568,
0.3750

■ 24.2657, 0.2634,
0.3660

■ 25.0375, 0.2715,
0.3574

■ 25.9608, 0.2808,
0.3493

■ 27.0438, 0.2911,
0.3418

■ 28.2941, 0.3021,
0.3349

Harmonies

Analogous

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



22.3121, 0.3197, 0.4687



22.3121, 0.2481, 0.4126



22.3121, 0.1978, 0.3277

Triad

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



22.3121, 0.2481, 0.4126



22.3121, 0.2248, 0.2103



22.3121, 0.4692, 0.3691

Complementary

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



22.3121, 0.2481, 0.4126



6.4649, 0.5839, 0.2998

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.



22.3121, 0.4399, 0.3120



22.3121, 0.2481, 0.4126



22.3121, 0.2893, 0.2257

Square

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



22.3121, 0.2481, 0.4126



22.3121, 0.1871, 0.2196



22.3121, 0.3700, 0.2617



22.3121, 0.4494, 0.4256

Rectangle

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



22.3121, 0.2481, 0.4126



22.3121, 0.1810, 0.2779



22.3121, 0.3700, 0.2617



22.3121, 0.4650, 0.3498

Sweetspot

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



22.3130, 0.2481, 0.4126



45.5797, 0.2795, 0.3503



21.6384, 0.3126, 0.5893



10.2581, 0.2759, 0.3533



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.



22.3130, 0.2481, 0.4126



39.3175, 0.2486, 0.4151



14.1131, 0.2040, 0.2538



6.5369, 0.3022, 0.3348



19.0521, 0.2480, 0.4127



0.2380, 0.2358, 0.3689

Inverse Universe

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



6.4649, 0.5839, 0.2998



11.3345, 0.5908, 0.3028



7.5189, 0.6065, 0.3555



5.8385, 0.3244, 0.3233



5.5027, 0.5845, 0.2994



0.0716, 0.4805, 0.2421

Previews

White Background



This preview shows how the Yxy color 22.3121, 0.2481, 0.4126 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 22.3121, 0.2481, 0.4126 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 22.3121, 0.2481, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 22.3121, 0.2481, 0.4126.



This preview shows how white text looks on a background with the Yxy color 22.3121, 0.2481, 0.4126.

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

22.3121, 0.2481, 0.4126

Protanopia

22.0434, 0.3553, 0.3787

Deuteranopia

22.1081, 0.3517, 0.3461



Tritanopia

22.3075, 0.2290, 0.3055

Trichromacy



Original Color

22.3121, 0.2481, 0.4126



Protanomaly

20.6825, 0.2931, 0.3955



Deuteranomaly

20.3470, 0.2904, 0.3697



Tritanomaly

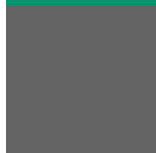
22.0728, 0.2338, 0.3411

Monochromacy



Original Color

22.3121, 0.2481, 0.4126



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.8120, 0.2666, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3121, 0.2481, 0.4126 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(1, 148, 110)` looks like.

```
.text, #text, p{  
    color:rgb(1, 148, 110)  
}
```

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(1, 148, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 148, 110) }
```

Border

The CSS property to change the border of an element to Yxy 22.3121, 0.2481, 0.4126 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(1, 148, 110) }
```

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

```
.border{ border-color:rgb(1, 148, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 148, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 148, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 148, 110);  
box-shadow:4px 4px 4px 4px rgb(1, 148,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3121, 0.2481, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 148, 110) }
```

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

```
.background{ background-color: rgb(1, 148,  
110) }
```

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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