

Converting Colors

$Yxy(19.3234, 0.1785, 0.4262)$

Have a look what the booklet for
Yxy(19.3234, 0.1785, 0.4262)
contains.

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Color

Yxy(21.9932, 0.2474, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	00936E
RGB	0, 147, 110
RGB Percent	0%, 58%, 43%
CMY	1.0000, 0.4235, 0.5686
CMYK	1.00, 0.00, 0.25, 0.42
HSL	165°, 100%, 29%
HSV	165°, 100%, 58%
XYZ	13.2452, 21.9932, 18.2991
YIQ	98.8290, -75.7350, -42.6710

Conversions

Conversions Part 2

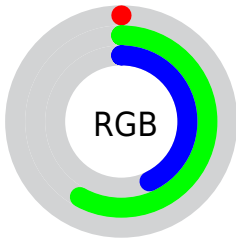
Format	Color
RYB	0, 84, 147
Decimal	37742
CIELab	54.02, -42.58, 10.35
CIELCh	54, 43.825, 166.335
Yxy	21.9932, 0.2474, 0.4108
Android (android.graphics.Color)	4278227822 (0xFF00936E)
YUV	98.8290, 5.5073, -86.6730
Hunter-Lab	46.8969, -31.6555, 9.6930

Details

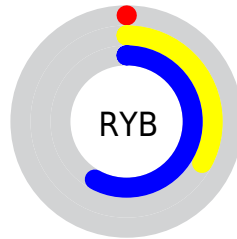
The Yxy color **21.9932, 0.2474, 0.4108** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.3375, 0.5882, 0.3014**, and the grayscale version is **12.4337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7810, 0.2622, 0.3907**, and **8.5322, 0.2553, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **21.9961, 0.2474, 0.4108**, and if you desaturate by 10%, it is **22.1775, 0.2472, 0.4016**.

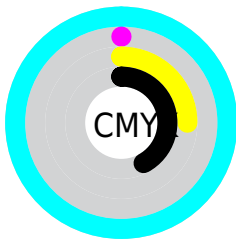
Distribution



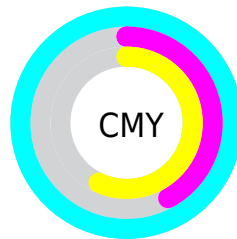
- Red (0%)
- Green (58%)
- Blue (43%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (42%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9932, 0.2474, 0.4108 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 21.9932, 0.2474, 0.4108 by changing the saturation by 10% instead.


 21.9932, 0.2474,
0.4108


 21.9932, 0.2474,
0.4108


262.5108, 0.2849,
0.3629


 13.8519, 0.2360,
0.4259


 46.7348, 0.2624,
0.3913

 8.0177, 0.2200,
0.4478


 64.1038, 0.2676,
0.3846


 4.1063, 0.1957,
0.4820

 85.3176, 0.2718,
0.3792

 1.7332, 0.1390,
0.5529

 110.7604, 0.2753,
0.3748

 0.4450, 0.0000,
1.0000

 140.8168, 0.2783,
0.3711

 0.0000, 0.0000,
0.0000

 175.8710, 0.2808,

0.3679

216.3076, 0.2830,
0.3652

■ 21.9932, 0.2474,
0.4108

■ 21.9932, 0.2474,
0.4108

■ 21.9961, 0.2474,
0.4108

■ 22.1775, 0.2472,
0.4016

■ 22.4312, 0.2482,
0.3925

■ 22.7910, 0.2512,
0.3833

■ 23.2698, 0.2560,
0.3743

■ 23.8784, 0.2625,
0.3655

■ 24.6266, 0.2706,
0.3571

■ 25.5232, 0.2799,
0.3492

■ 26.5763, 0.2902,
0.3419

■ 27.7932, 0.3012,
0.3351

Harmonies

Analogous

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



21.9932, 0.3184, 0.4674



21.9932, 0.2474, 0.4108



21.9932, 0.1978, 0.3264

Triad

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



21.9932, 0.2474, 0.4108



21.9932, 0.2261, 0.2109



21.9932, 0.4684, 0.3700

Complementary

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



21.9932, 0.2474, 0.4108



6.3375, 0.5882, 0.3014

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.



21.9932, 0.4401, 0.3131



21.9932, 0.2474, 0.4108



21.9932, 0.2907, 0.2266

Square

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



21.9932, 0.2474, 0.4108



21.9932, 0.1881, 0.2197



21.9932, 0.3711, 0.2627



21.9932, 0.4481, 0.4261

Rectangle

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



21.9932, 0.2474, 0.4108



21.9932, 0.1814, 0.2772



21.9932, 0.3711, 0.2627



21.9932, 0.4646, 0.3507

Sweetspot

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



21.9961, 0.2474, 0.4108



45.5954, 0.2793, 0.3497



21.3056, 0.3124, 0.5901



10.2621, 0.2756, 0.3527



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.



21.9961, 0.2474, 0.4108



39.3571, 0.2480, 0.4126



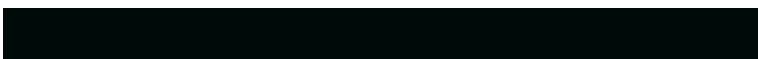
13.8518, 0.2037, 0.2533



6.5375, 0.3021, 0.3346



19.0710, 0.2473, 0.4103



0.2382, 0.2355, 0.3676

Inverse Universe

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



6.3375, 0.5882, 0.3014



11.3234, 0.5930, 0.3040



7.3653, 0.6083, 0.3552



5.8379, 0.3245, 0.3234



5.4971, 0.5868, 0.3006



0.0714, 0.4834, 0.2436

Previews

White Background



This preview shows how the Yxy color 21.9932, 0.2474, 0.4108 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 21.9932, 0.2474, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

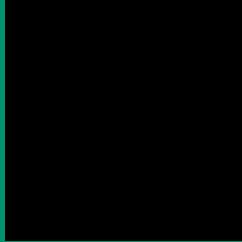
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9932, 0.2474, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 21.9932, 0.2474, 0.4108.



This preview shows how white text looks on a background with the Yxy color 21.9932, 0.2474, 0.4108.

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

21.9932, 0.2474, 0.4108

Protanopia

21.6963, 0.3545, 0.3773

Deuteranopia

21.7641, 0.3507, 0.3445



Tritanopia

21.9540, 0.2287, 0.3053

Trichromacy



Original Color

21.9932, 0.2474, 0.4108

Protanomaly

20.3537, 0.2921, 0.3939

Deuteranomaly

20.0219, 0.2893, 0.3679

Tritanomaly

21.7271, 0.2336, 0.3412

Monochromacy



Original Color

21.9932, 0.2474, 0.4108

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.5268, 0.2663, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9932, 0.2474, 0.4108 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, 147, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 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(0, 147, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 110) }
```

Border

The CSS property to change the border of an element to Yxy 21.9932, 0.2474, 0.4108 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, 147, 110) }
```

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

```
.border{ border-color:rgb(0, 147, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9932, 0.2474, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 110) }
```

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

```
.background{ background-color: rgb(0, 147,  
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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