

Converting Colors

$Yxy(22.3480, 0.2649, 0.4903)$

Have a look what the booklet for
Yxy(22.3480, 0.2649, 0.4903)
contains.

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Color

Yxy(22.3772, 0.2692, 0.4890)

Conversions

Conversions Part 1

Format	Color
Hex	00964F
RGB	0, 150, 79
RGB Percent	0%, 59%, 31%
CMY	0.9993, 0.4118, 0.6902
CMYK	1.00, 0.00, 0.47, 0.41
HSL	152°, 100%, 29%
HSV	152°, 100%, 59%
XYZ	12.3189, 22.3772, 11.0650
YIQ	97.0560, -66.6090, -53.8810

Conversions

Conversions Part 2

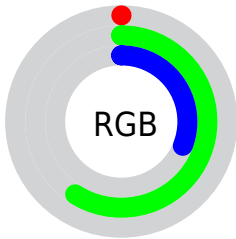
Format	Color
RYB	0, 98, 150
Decimal	38479
CIELab	54.42, -50.52, 28.09
CIELCh	54, 57.805, 150.925
Yxy	22.3772, 0.2692, 0.4890
Android (android.graphics.Color)	4278228559 (0xFF00964F)
YUV	97.0560, -8.9016, -85.1181
Hunter-Lab	47.3045, -36.2985, 19.2446

Details

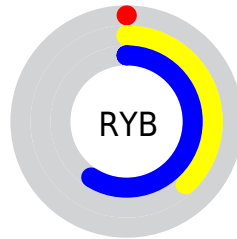
The Yxy color **22.3772, 0.2692, 0.4890** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9451, 0.5031, 0.2546**, and the grayscale version is **12.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2261, 0.2817, 0.4490**, and **8.8396, 0.2840, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **22.3757, 0.2692, 0.4892**, and if you desaturate by 10%, it is **22.5891, 0.2671, 0.4717**.

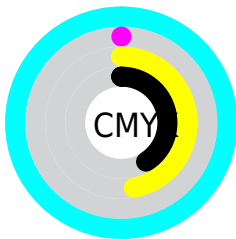
Distribution



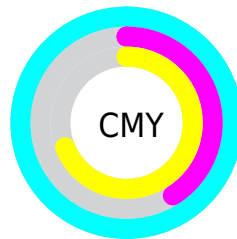
- Red (0%)
- Green (59%)
- Blue (31%)



- Red (0%)
- Yellow (38%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3772, 0.2692, 0.4890 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 22.3772, 0.2692, 0.4890 by changing the saturation by 10% instead.


 22.3772, 0.2692,
0.4890


 22.3772, 0.2692,
0.4890


264.5098, 0.2973,
0.3927


 14.1343, 0.2590,
0.5203


 47.3686, 0.2815,
0.4491

 8.2141, 0.2432,
0.5658


 64.8860, 0.2854,
0.4357


 4.2323, 0.2165,
0.6362

 86.2636, 0.2884,
0.4249

 1.8043, 0.1362,
0.8638

 111.8859, 0.2909,
0.4161

 0.4899, 0.0000,
1.0000

 142.1373, 0.2929,
0.4088

 0.0000, 0.0000,
0.0000

 177.4022, 0.2946,

0.4026

218.0649, 0.2960,
0.3973

■ 22.3772, 0.2692,
0.4890

■ 22.3772, 0.2692,
0.4890

■ 22.3757, 0.2692,
0.4892

■ 22.5891, 0.2671,
0.4717

■ 22.8853, 0.2663,
0.4538

■ 23.3008, 0.2675,
0.4356

■ 23.8493, 0.2706,
0.4175

■ 24.5427, 0.2753,
0.4000

■ 25.3915, 0.2813,
0.3833

■ 26.4050, 0.2883,
0.3678

■ 27.5920, 0.2961,
0.3535

■ 28.9605, 0.3043,
0.3405

Harmonies

Analogous

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



22.3772, 0.3628, 0.5199



22.3772, 0.2692, 0.4890



22.3772, 0.1926, 0.3819

Triad

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



22.3772, 0.2692, 0.4890



22.3772, 0.1757, 0.1831



22.3772, 0.5046, 0.3372

Complementary

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



22.3772, 0.2692, 0.4890



6.9451, 0.5031, 0.2546

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.



22.3772, 0.4372, 0.2727



22.3772, 0.2692, 0.4890



22.3772, 0.2373, 0.1887

Square

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



22.3772, 0.2692, 0.4890



22.3772, 0.1479, 0.2082



22.3772, 0.3322, 0.2202



22.3772, 0.5046, 0.4071

Rectangle

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



22.3772, 0.2692, 0.4890



22.3772, 0.1614, 0.3056



22.3772, 0.3322, 0.2202



22.3772, 0.4891, 0.3149

Sweetspot

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



22.3781, 0.2692, 0.4890



46.4626, 0.2878, 0.3689



23.2135, 0.3355, 0.5717



10.1402, 0.2850, 0.3746



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.



22.3781, 0.2692, 0.4890



39.4529, 0.2701, 0.4924



23.2272, 0.2233, 0.3238



6.5163, 0.3049, 0.3397



18.5646, 0.2689, 0.4880



0.2332, 0.2480, 0.4127

Inverse Universe

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



6.9451, 0.5031, 0.2546



12.2130, 0.5077, 0.2570



6.5424, 0.6382, 0.3312



5.8584, 0.3213, 0.3186



5.7624, 0.5017, 0.2538



0.0764, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 22.3772, 0.2692, 0.4890 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 22.3772, 0.2692, 0.4890 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 22.3772, 0.2692, 0.4890

Background



This preview shows how black text looks on a background with the Yxy color 22.3772, 0.2692, 0.4890.



This preview shows how white text looks on a background with the Yxy color 22.3772, 0.2692, 0.4890.

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

22.3772, 0.2692, 0.4890

Protanopia

22.1839, 0.3918, 0.4280

Deuteranopia

22.0397, 0.3988, 0.3930



Tritanopia

22.5158, 0.2337, 0.3076

Trichromacy



Original Color

22.3772, 0.2692, 0.4890



Protanomaly

20.5730, 0.3216, 0.4585



Deuteranomaly

20.0522, 0.3253, 0.4321



Tritanomaly

22.1322, 0.2437, 0.3689

Monochromacy



Original Color

22.3772, 0.2692, 0.4890



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.2531, 0.2782, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3772, 0.2692, 0.4890 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, 150, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 79)  
}
```

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, 150, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 79) }
```

Border

The CSS property to change the border of an element to Yxy 22.3772, 0.2692, 0.4890 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, 150, 79) }
```

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

```
.border{ border-color:rgb(0, 150, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.3772, 0.2692, 0.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 79) }
```

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

```
.background{ background-color: rgb(0, 150,  
79) }
```

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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