

Converting Colors

$Y_{xy}(22.4843, 0.2708, 0.4949)$

Have a look what the booklet for
Yxy(22.4843, 0.2708, 0.4949)
contains.

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Color

Yxy(22.3485, 0.2704, 0.4935)

Conversions

Conversions Part 1

Format	Color
Hex	00964D
RGB	0, 150, 77
RGB Percent	0%, 59%, 30%
CMY	1.0000, 0.4117, 0.6980
CMYK	1.00, 0.00, 0.49, 0.41
HSL	151°, 100%, 29%
HSV	151°, 100%, 59%
XYZ	12.2453, 22.3485, 10.6920
YIQ	96.8280, -65.9670, -54.5030

Conversions

Conversions Part 2

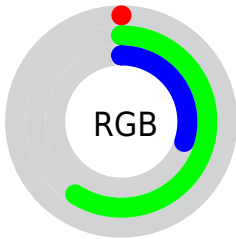
Format	Color
RYB	0, 99, 150
Decimal	38477
CIELab	54.39, -50.90, 29.10
CIELCh	54, 58.628, 150.241
Yxy	22.3485, 0.2704, 0.4935
Android (android.graphics.Color)	4278228557 (0xFF00964D)
YUV	96.8280, -9.7752, -84.9182
Hunter-Lab	47.2742, -36.4937, 19.6824

Details

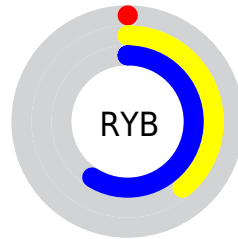
The Yxy color **22.3485, 0.2704, 0.4935** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9653, 0.4981, 0.2518**, and the grayscale version is **11.9472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1734, 0.2828, 0.4523**, and **8.8291, 0.2855, 0.5477** is the 20% darker color. If you saturate the color by 10%, you get **22.3501, 0.2704, 0.4935**, and if you desaturate by 10%, it is **22.5606, 0.2682, 0.4758**.

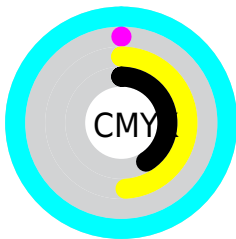
Distribution



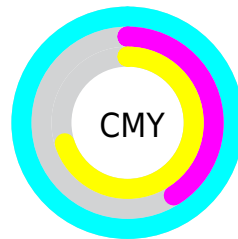
- Red (0%)
- Green (59%)
- Blue (30%)



- Red (0%)
- Yellow (39%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3485, 0.2704, 0.4935 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 22.3485, 0.2704, 0.4935 by changing the saturation by 10% instead.


 22.3485, 0.2704,
0.4935


 22.3485, 0.2704,
0.4935

264.3609, 0.2980,
0.3944


 14.1132, 0.2602,
0.5257


 47.3213, 0.2826,
0.4524


 8.1994, 0.2442,
0.5724


 64.8276, 0.2864,
0.4386


 4.2228, 0.2171,
0.6446

 86.1931, 0.2894,
0.4276

 1.7990, 0.1314,
0.8686

 111.8020, 0.2918,
0.4185

 0.4865, 0.0000,
1.0000

 142.0389, 0.2938,
0.4110

 0.0000, 0.0000,
0.0000

 177.2880, 0.2954,

0.4046

217.9339, 0.2968,
0.3991

■ 22.3485, 0.2704,
0.4935

■ 22.3485, 0.2704,
0.4935

■ 22.3501, 0.2704,
0.4935

■ 22.5606, 0.2682,
0.4758

■ 22.8560, 0.2674,
0.4575

■ 23.2711, 0.2685,
0.4388

■ 23.8197, 0.2714,
0.4202

■ 24.5137, 0.2759,
0.4022

■ 25.3636, 0.2818,
0.3850

■ 26.3788, 0.2887,
0.3690

■ 27.5681, 0.2963,
0.3543

■ 28.9395, 0.3044,
0.3410

Harmonies

Analogous

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



22.3485, 0.3652, 0.5223



22.3485, 0.2704, 0.4935



22.3485, 0.1924, 0.3854

Triad

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



22.3485, 0.2704, 0.4935



22.3485, 0.1731, 0.1817



22.3485, 0.5065, 0.3353

Complementary

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



22.3485, 0.2704, 0.4935



6.9653, 0.4981, 0.2518

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.



22.3485, 0.4368, 0.2705



22.3485, 0.2704, 0.4935



22.3485, 0.2345, 0.1867

Square

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



22.3485, 0.2704, 0.4935



22.3485, 0.1459, 0.2077



22.3485, 0.3299, 0.2179



22.3485, 0.5077, 0.4058

Rectangle

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



22.3485, 0.2704, 0.4935



22.3485, 0.1604, 0.3074



22.3485, 0.3299, 0.2179



22.3485, 0.4903, 0.3129

Sweetspot

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



22.3501, 0.2704, 0.4935



46.4357, 0.2883, 0.3700



23.3100, 0.3377, 0.5701



10.1337, 0.2856, 0.3759



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.



22.3501, 0.2704, 0.4935



39.4051, 0.2713, 0.4967



24.0162, 0.2247, 0.3287



6.5152, 0.3051, 0.3400



18.5421, 0.2701, 0.4922



0.2329, 0.2488, 0.4157

Inverse Universe

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



6.9653, 0.4981, 0.2518



12.2564, 0.5023, 0.2541



6.4844, 0.6401, 0.3300



5.8596, 0.3211, 0.3183



5.7830, 0.4965, 0.2509



0.0767, 0.4068, 0.2014

Previews

White Background



This preview shows how the Yxy color 22.3485, 0.2704, 0.4935 looks on a white background.

Color Contrast Check

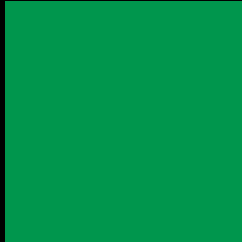
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3485, 0.2704, 0.4935 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 22.3485, 0.2704, 0.4935

Background



This preview shows how black text looks on a background with the Yxy color 22.3485, 0.2704, 0.4935.



This preview shows how white text looks on a background with the Yxy color 22.3485, 0.2704, 0.4935.

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

22.3485, 0.2704, 0.4935

Protanopia

22.2471, 0.3951, 0.4305

Deuteranopia

22.1233, 0.4013, 0.3943



Tritanopia

22.5158, 0.2337, 0.3076

Trichromacy



Original Color

22.3485, 0.2704, 0.4935



Protanomaly

20.5965, 0.3245, 0.4621



Deuteranomaly

20.0218, 0.3272, 0.4362



Tritanomaly

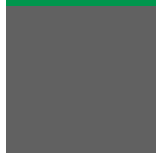
22.1065, 0.2444, 0.3711

Monochromacy



Original Color

22.3485, 0.2704, 0.4935



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 22.3485, 0.2704, 0.4935 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 77) }
```

Border

The CSS property to change the border of an element to Yxy 22.3485, 0.2704, 0.4935 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, 77) }
```

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

```
.border{ border-color:rgb(0, 150, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.3485, 0.2704, 0.4935 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, 77) }
```

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

```
.background{ background-color: rgb(0, 150,  
77) }
```

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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