

Converting Colors

$Yxy(22.8030, 0.2583, 0.4498)$

Have a look what the booklet for
Yxy(22.8030, 0.2583, 0.4498)
contains.

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Color

$\text{Yxy}(22.6572, 0.2581, 0.4493)$

Conversions

Conversions Part 1

Format	Color
Hex	009660
RGB	0, 150, 96
RGB Percent	0%, 59%, 38%
CMY	1.0000, 0.4117, 0.6235
CMYK	1.00, 0.00, 0.36, 0.41
HSL	158°, 100%, 29%
HSV	158°, 100%, 59%
XYZ	13.0154, 22.6572, 14.7552
YIQ	98.9940, -72.0660, -48.5940

Conversions

Conversions Part 2

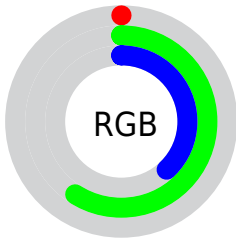
Format	Color
RYB	0, 91, 150
Decimal	38496
CIELab	54.72, -47.10, 19.20
CIELCh	55, 50.862, 157.824
Yxy	22.6572, 0.2581, 0.4493
Android (android.graphics.Color)	4278228576 (0xFF009660)
YUV	98.9940, -1.4760, -86.8177
Hunter-Lab	47.5996, -34.4910, 14.9407

Details

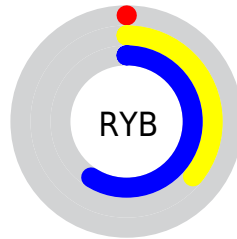
The Yxy color **22.6572, 0.2581, 0.4493** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.7511, 0.5498, 0.2802**, and the grayscale version is **12.4945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7477, 0.2717, 0.4193**, and **8.9571, 0.2696, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **22.6598, 0.2581, 0.4493**, and if you desaturate by 10%, it is **22.8643, 0.2568, 0.4359**.

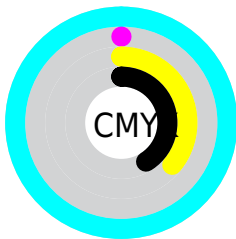
Distribution



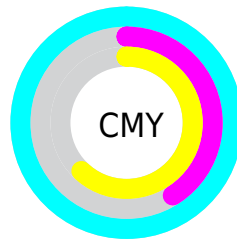
- Red (0%)
- Green (59%)
- Blue (38%)



- Red (0%)
- Yellow (36%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6572, 0.2581, 0.4493 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 22.6572, 0.2581, 0.4493 by changing the saturation by 10% instead.


 22.6572, 0.2581,
0.4493

 22.6572, 0.2581,
0.4493


265.9594, 0.2907,
0.3777


 14.3406, 0.2476,
0.4724


 47.8298, 0.2715,
0.4198


 8.3579, 0.2322,
0.5059


 65.4546, 0.2761,
0.4099


 4.3248, 0.2080,
0.5587

 86.9510, 0.2797,
0.4019

 1.8569, 0.1484,
0.6909

 112.7033, 0.2827,
0.3953

 0.5223, 0.0000,
1.0000

 143.0958, 0.2852,
0.3898

 0.0000, 0.0000,
0.0000

 178.5131, 0.2873,

0.3852

219.3395, 0.2891,
0.3812

■ 22.6572, 0.2581,
0.4493

■ 22.6572, 0.2581,
0.4493

■ 22.6598, 0.2581,
0.4493

■ 22.8643, 0.2568,
0.4359

■ 23.1486, 0.2570,
0.4223

■ 23.5475, 0.2590,
0.4087

■ 24.0745, 0.2630,
0.3952

■ 24.7414, 0.2686,
0.3822

■ 25.5582, 0.2757,
0.3699

■ 26.5345, 0.2839,
0.3583

■ 27.6787, 0.2930,
0.3476

■ 28.9988, 0.3027,
0.3378

Harmonies

Analogous

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



22.6572, 0.3411, 0.4961



22.6572, 0.2581, 0.4493



22.6572, 0.1948, 0.3524

Triad

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



22.6572, 0.2581, 0.4493



22.6572, 0.1997, 0.1965



22.6572, 0.4875, 0.3538

Complementary

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



22.6572, 0.2581, 0.4493



6.7511, 0.5498, 0.2802

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.



22.6572, 0.4401, 0.2926



22.6572, 0.2581, 0.4493



22.6572, 0.2635, 0.2070

Square

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



22.6572, 0.2581, 0.4493



22.6572, 0.1670, 0.2135



22.6572, 0.3524, 0.2409



22.6572, 0.4770, 0.4178

Rectangle

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



22.6572, 0.2581, 0.4493



22.6572, 0.1709, 0.2902



22.6572, 0.3524, 0.2409



22.6572, 0.4780, 0.3328

Sweetspot

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



22.6598, 0.2581, 0.4493



46.7126, 0.2834, 0.3590



22.6274, 0.3216, 0.5829



10.2010, 0.2802, 0.3633



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.



22.6598, 0.2581, 0.4493



39.9508, 0.2588, 0.4518



18.1692, 0.2131, 0.2870



6.5271, 0.3035, 0.3371



18.7977, 0.2579, 0.4483



0.2357, 0.2411, 0.3881

Inverse Universe

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



6.7511, 0.5498, 0.2802



11.8821, 0.5547, 0.2829



6.9851, 0.6262, 0.3410



5.8478, 0.3229, 0.3211



5.6043, 0.5479, 0.2792



0.0739, 0.4431, 0.2214

Previews

White Background



This preview shows how the Yxy color 22.6572, 0.2581, 0.4493 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 22.6572, 0.2581, 0.4493 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 22.6572, 0.2581, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 22.6572, 0.2581, 0.4493.



This preview shows how white text looks on a background with the Yxy color 22.6572, 0.2581, 0.4493.

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

22.6572, 0.2581, 0.4493

Protanopia

22.3326, 0.3734, 0.4023

Deuteranopia

22.3019, 0.3739, 0.3676



Tritanopia

22.7349, 0.2317, 0.3076

Trichromacy



Original Color

22.6572, 0.2581, 0.4493

Protanomaly

20.8203, 0.3072, 0.4250

Deuteranomaly

20.5117, 0.3062, 0.3987

Tritanomaly

22.5913, 0.2389, 0.3557

Monochromacy



Original Color

22.6572, 0.2581, 0.4493

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.8955, 0.2718, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6572, 0.2581, 0.4493 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 96) }
```

Border

The CSS property to change the border of an element to Yxy 22.6572, 0.2581, 0.4493 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, 96) }
```

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

```
.border{ border-color:rgb(0, 150, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.6572, 0.2581, 0.4493 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, 96) }
```

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

```
.background{ background-color: rgb(0, 150,  
96) }
```

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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