

Converting Colors

$Yxy(23.6271, 0.2320, 0.4389)$

Have a look what the booklet for
Yxy(23.6271, 0.2320, 0.4389)
contains.

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Color

Yxy(24.5042, 0.2533, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	009B6B
RGB	0, 155, 107
RGB Percent	0%, 61%, 42%
CMY	0.9987, 0.3922, 0.5804
CMYK	1.00, 0.00, 0.31, 0.39
HSL	161°, 100%, 30%
HSV	161°, 100%, 61%
XYZ	14.3778, 24.5042, 17.8801
YIQ	103.1830, -76.9720, -47.7880

Conversions

Conversions Part 2

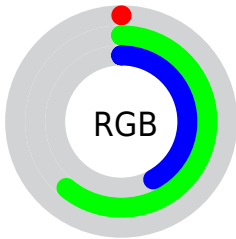
Format	Color
RYB	0, 92, 155
Decimal	39787
CIELab	56.59, -46.47, 15.63
CIELCh	57, 49.030, 161.408
Yxy	24.5042, 0.2533, 0.4317
Android (android.graphics.Color)	4278229867 (0xFF009B6B)
YUV	103.1830, 1.8818, -90.4915
Hunter-Lab	49.5017, -34.7824, 13.2356

Details

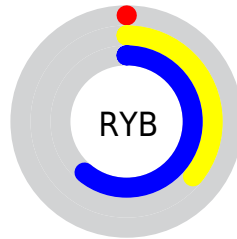
The Yxy color **24.5042, 0.2533, 0.4317** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.1915, 0.5685, 0.2908**, and the grayscale version is **13.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6226, 0.2666, 0.4060**, and **9.8185, 0.2626, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **24.5009, 0.2533, 0.4319**, and if you desaturate by 10%, it is **24.7158, 0.2524, 0.4202**.

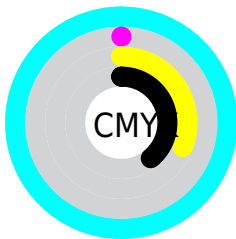
Distribution



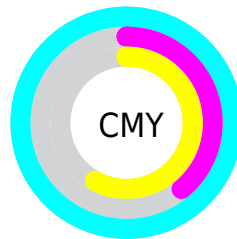
- Red (0%)
- Green (61%)
- Blue (42%)



- Red (0%)
- Yellow (36%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (39%)




- Cyan (100%)
- Magenta (39%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5042, 0.2533, 0.4317 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 24.5042, 0.2533, 0.4317 by changing the saturation by 10% instead.


 24.5042, 0.2533,
0.4317


 24.5042, 0.2533,
0.4317


275.3597, 0.2876,
0.3717


 15.7081, 0.2428,
0.4505


 50.8517, 0.2671,
0.4074

 9.3178, 0.2280,
0.4774


 69.1719, 0.2718,
0.3990


 4.9491, 0.2055,
0.5190


 91.4356, 0.2757,
0.3923

 2.2174, 0.1636,
0.5936

 118.0271, 0.2789,
0.3867

 0.7295, 0.0000,
1.0000

 149.3309, 0.2816,
0.3821

 0.0000, 0.0000,
0.0000

 185.7313, 0.2839,

0.3781

227.6128, 0.2858,
0.3747

■ 24.5042, 0.2533,
0.4317

■ 24.5042, 0.2533,
0.4317

■ 24.5009, 0.2533,
0.4319

■ 24.7158, 0.2524,
0.4202

■ 25.0134, 0.2529,
0.4086

■ 25.4328, 0.2554,
0.3970

■ 25.9888, 0.2597,
0.3855

■ 26.6940, 0.2658,
0.3745

■ 27.5594, 0.2734,
0.3639

■ 28.5950, 0.2821,
0.3540

■ 29.8102, 0.2918,
0.3448

■ 31.2133, 0.3022,
0.3365

Harmonies

Analogous

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



24.5042, 0.3310, 0.4836



24.5042, 0.2533, 0.4317



24.5042, 0.1961, 0.3403

Triad

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



24.5042, 0.2533, 0.4317



24.5042, 0.2114, 0.2029



24.5042, 0.4790, 0.3611

Complementary

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



24.5042, 0.2533, 0.4317



7.1915, 0.5685, 0.2908

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.



24.5042, 0.4403, 0.3017



24.5042, 0.2533, 0.4317



24.5042, 0.2756, 0.2157

Square

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



24.5042, 0.2533, 0.4317



24.5042, 0.1763, 0.2163



24.5042, 0.3609, 0.2506



24.5042, 0.4641, 0.4218

Rectangle

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



24.5042, 0.2533, 0.4317



24.5042, 0.1756, 0.2842



24.5042, 0.3609, 0.2506



24.5042, 0.4721, 0.3408

Sweetspot

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



24.5052, 0.2533, 0.4317



51.0536, 0.2814, 0.3548



24.1030, 0.3165, 0.5867



11.3847, 0.2779, 0.3586



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.5052, 0.2533, 0.4317



43.8454, 0.2539, 0.4341



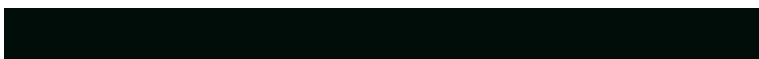
17.4547, 0.2085, 0.2703



6.9939, 0.3028, 0.3360



19.6872, 0.2531, 0.4310



0.3008, 0.2391, 0.3806

Inverse Universe

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



7.1915, 0.5685, 0.2908



12.8335, 0.5740, 0.2936



7.8323, 0.6181, 0.3470



6.2527, 0.3237, 0.3221



5.7755, 0.5670, 0.2897



0.0923, 0.4622, 0.2320

Previews

White Background



This preview shows how the Yxy color 24.5042, 0.2533, 0.4317 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 24.5042, 0.2533, 0.4317 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 24.5042, 0.2533, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 24.5042, 0.2533, 0.4317.



This preview shows how white text looks on a background with the Yxy color 24.5042, 0.2533, 0.4317.

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

24.5042, 0.2533, 0.4317

Protanopia

24.2295, 0.3647, 0.3919

Deuteranopia

24.2254, 0.3634, 0.3568



Tritanopia

24.4748, 0.2304, 0.3064

Trichromacy



Original Color

24.5042, 0.2533, 0.4317



Protanomaly

22.5609, 0.2999, 0.4117



Deuteranomaly

22.2656, 0.2977, 0.3843



Tritanomaly

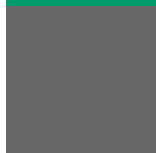
24.3964, 0.2363, 0.3487

Monochromacy



Original Color

24.5042, 0.2533, 0.4317



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.0768, 0.2699, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5042, 0.2533, 0.4317 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, 155, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 107)  
}
```

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, 155, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 107) }
```

Border

The CSS property to change the border of an element to Yxy 24.5042, 0.2533, 0.4317 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, 155, 107) }
```

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

```
.border{ border-color:rgb(0, 155, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5042, 0.2533, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 107) }
```

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

```
.background{ background-color: rgb(0, 155,  
107) }
```

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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