

Converting Colors

$Yxy(24.9447, 0.2468, 0.4577)$

Have a look what the booklet for
Yxy(24.9447, 0.2468, 0.4577)
contains.

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Color

Yxy(25.3738, 0.2590, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	009E64
RGB	0, 158, 100
RGB Percent	0%, 62%, 39%
CMY	1.0000, 0.3804, 0.6079
CMYK	1.00, 0.00, 0.37, 0.38
HSL	158°, 100%, 31%
HSV	158°, 100%, 62%
XYZ	14.5266, 25.3738, 16.1867
YIQ	104.1460, -75.5500, -51.5340

Conversions

Conversions Part 2

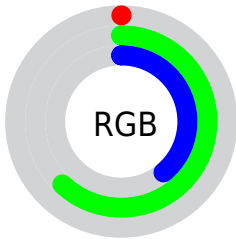
Format	Color
RYB	0, 97, 158
Decimal	40548
CIELab	57.44, -49.21, 20.67
CIELCh	57, 53.378, 157.219
Yxy	25.3738, 0.2590, 0.4524
Android (android.graphics.Color)	4278230628 (0xFF009E64)
YUV	104.1460, -2.0440, -91.3360
Hunter-Lab	50.3724, -36.6753, 16.2084

Details

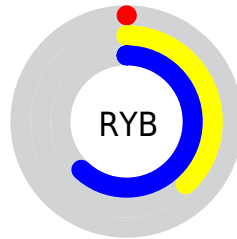
The Yxy color **25.3738, 0.2590, 0.4524** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.5750, 0.5481, 0.2793**, and the grayscale version is **13.9056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4022, 0.2721, 0.4237**, and **10.3602, 0.2696, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **25.3749, 0.2590, 0.4524**, and if you desaturate by 10%, it is **25.5997, 0.2575, 0.4387**.

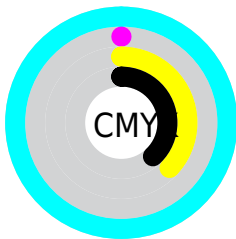
Distribution



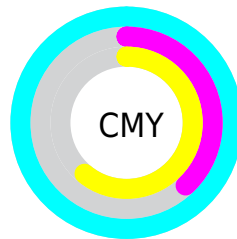
- Red (0%)
- Green (62%)
- Blue (39%)



- Red (0%)
- Yellow (38%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3738, 0.2590, 0.4524 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 25.3738, 0.2590, 0.4524 by changing the saturation by 10% instead.


 25.3738, 0.2590,
0.4524


 25.3738, 0.2590,
0.4524


279.6944, 0.2907,
0.3800


 16.3558, 0.2490,
0.4751


 52.2630, 0.2719,
0.4230

 9.7763, 0.2345,
0.5075


 70.9029, 0.2763,
0.4129


 5.2509, 0.2122,
0.5574

 93.5190, 0.2799,
0.4048

 2.3952, 0.1719,
0.6499

 120.4955, 0.2828,
0.3981

 0.8234, 0.0000,
1.0000

 152.2169, 0.2853,
0.3925

 0.0000, 0.0000,
0.0000

 189.0676, 0.2873,

0.3877

231.4320, 0.2891,
0.3836

■ 25.3738, 0.2590,
0.4524

■ 25.3738, 0.2590,
0.4524

■ 25.3749, 0.2590,
0.4524

■ 25.5997, 0.2575,
0.4387

■ 25.9165, 0.2575,
0.4248

■ 26.3626, 0.2595,
0.4108

■ 26.9534, 0.2633,
0.3970

■ 27.7022, 0.2689,
0.3836

■ 28.6209, 0.2759,
0.3709

■ 29.7199, 0.2840,
0.3591

■ 31.0091, 0.2931,
0.3481

■ 32.4974, 0.3027,
0.3381

Harmonies

Analogous

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



25.3738, 0.3429, 0.4981



25.3738, 0.2590, 0.4524



25.3738, 0.1946, 0.3546

Triad

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



25.3738, 0.2590, 0.4524



25.3738, 0.1978, 0.1954



25.3738, 0.4889, 0.3524

Complementary

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



25.3738, 0.2590, 0.4524



7.5750, 0.5481, 0.2793

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.



25.3738, 0.4399, 0.2910



25.3738, 0.2590, 0.4524



25.3738, 0.2614, 0.2055

Square

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



25.3738, 0.2590, 0.4524



25.3738, 0.1654, 0.2131



25.3738, 0.3508, 0.2392



25.3738, 0.4792, 0.4170

Rectangle

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



25.3738, 0.2590, 0.4524



25.3738, 0.1701, 0.2914



25.3738, 0.3508, 0.2392



25.3738, 0.4789, 0.3313

Sweetspot

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



25.3749, 0.2590, 0.4524



53.8423, 0.2835, 0.3597



25.4334, 0.3231, 0.5817



11.9526, 0.2802, 0.3644



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.3749, 0.2590, 0.4524



46.0389, 0.2597, 0.4550



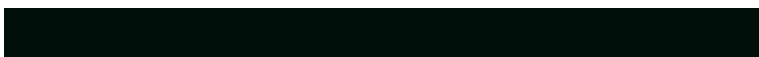
21.0994, 0.2145, 0.2923



7.4681, 0.3035, 0.3373



20.3295, 0.2587, 0.4513



0.3714, 0.2434, 0.3963

Inverse Universe

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



7.5750, 0.5481, 0.2793



13.7201, 0.5529, 0.2819



7.7163, 0.6290, 0.3388



6.6844, 0.3229, 0.3208



6.0736, 0.5459, 0.2781



0.1164, 0.4470, 0.2236

Previews

White Background



This preview shows how the Yxy color 25.3738, 0.2590, 0.4524 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 25.3738, 0.2590, 0.4524 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 25.3738, 0.2590, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 25.3738, 0.2590, 0.4524.



This preview shows how white text looks on a background with the Yxy color 25.3738, 0.2590, 0.4524.

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

25.3738, 0.2590, 0.4524

Protanopia

25.0362, 0.3760, 0.4053

Deuteranopia

25.1202, 0.3768, 0.3705



Tritanopia

25.2978, 0.2308, 0.3049

Trichromacy



Original Color

25.3738, 0.2590, 0.4524



Protanomaly

23.4918, 0.3089, 0.4303



Deuteranomaly

22.8740, 0.3073, 0.4015



Tritanomaly

25.0510, 0.2385, 0.3545

Monochromacy



Original Color

25.3738, 0.2590, 0.4524



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.5528, 0.2714, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3738, 0.2590, 0.4524 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, 158, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 100)  
}
```

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, 158, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 100) }
```

Border

The CSS property to change the border of an element to Yxy 25.3738, 0.2590, 0.4524 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, 158, 100) }
```

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

```
.border{ border-color:rgb(0, 158, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3738, 0.2590, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 100) }
```

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

```
.background{ background-color: rgb(0, 158,  
100) }
```

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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