

Converting Colors

$Yxy(21.5228, 0.1745, 0.5068)$

Have a look what the booklet for
Yxy(21.5228, 0.1745, 0.5068)
contains.

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Color

Yxy(24.8521, 0.2649, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	009D5A
RGB	0, 157, 90
RGB Percent	0%, 62%, 35%
CMY	0.9984, 0.3843, 0.6470
CMYK	1.00, 0.00, 0.43, 0.38
HSL	154°, 99%, 31%
HSV	154°, 100%, 62%
XYZ	13.9065, 24.8521, 13.7385
YIQ	102.4190, -72.0650, -54.1210

Conversions

Conversions Part 2

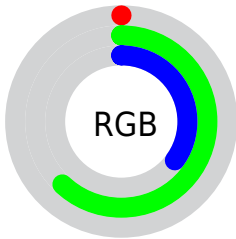
Format	Color
RYB	0, 100, 157
Decimal	40282
CIELab	56.93, -50.89, 25.43
CIELCh	57, 56.889, 153.448
Yxy	24.8521, 0.2649, 0.4734
Android (android.graphics.Color)	4278230362 (0xFF009D5A)
YUV	102.4190, -6.1226, -89.8215
Hunter-Lab	49.8519, -37.4472, 18.5568

Details

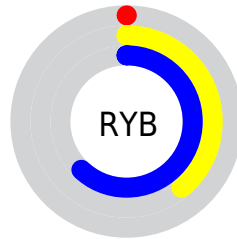
The Yxy color **24.8521, 0.2649, 0.4734** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.5867, 0.5227, 0.2655**, and the grayscale version is **13.4669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5863, 0.2773, 0.4385**, and **10.0750, 0.2775, 0.5191** is the 20% darker color. If you saturate the color by 10%, you get **24.8474, 0.2650, 0.4738**, and if you desaturate by 10%, it is **25.0812, 0.2630, 0.4575**.

Distribution



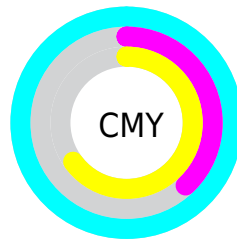
- Red (0%)
- Green (62%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8521, 0.2649, 0.4734 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 24.8521, 0.2649, 0.4734 by changing the saturation by 10% instead.

 24.8521, 0.2649,
0.4734


 24.8521, 0.2649,
0.4734


277.1006, 0.2943,
0.3880


 15.9669, 0.2550,
0.5004


 51.4172, 0.2772,
0.4385

 9.5007, 0.2404,
0.5392


 69.8659, 0.2813,
0.4266

 5.0692, 0.2169,
0.5987

 92.2711, 0.2846,
0.4170

 2.2879, 0.1745,
0.7404

 119.0174, 0.2873,
0.4091

 0.7673, 0.0000,
1.0000

 150.4891, 0.2895,
0.4025

 0.0000, 0.0000,
0.0000

 187.0706, 0.2913,

0.3970

229.1463, 0.2929,
0.3921

■ 24.8521, 0.2649,
0.4734

■ 24.8521, 0.2649,
0.4734

■ 24.8474, 0.2650,
0.4738

■ 25.0812, 0.2630,
0.4575

■ 25.4044, 0.2625,
0.4412

■ 25.8580, 0.2641,
0.4248

■ 26.4573, 0.2675,
0.4085

■ 27.2155, 0.2725,
0.3928

■ 28.1443, 0.2790,
0.3778

■ 29.2540, 0.2866,
0.3638

■ 30.5543, 0.2949,
0.3510

■ 32.0541, 0.3038,
0.3393

Harmonies

Analogous

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



24.8521, 0.3545, 0.5112



24.8521, 0.2649, 0.4734



24.8521, 0.1934, 0.3700

Triad

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



24.8521, 0.2649, 0.4734



24.8521, 0.1848, 0.1882



24.8521, 0.4981, 0.3437

Complementary

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



24.8521, 0.2649, 0.4734



7.5867, 0.5227, 0.2655

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.



24.8521, 0.4386, 0.2804



24.8521, 0.2649, 0.4734



24.8521, 0.2474, 0.1957

Square

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



24.8521, 0.2649, 0.4734



24.8521, 0.1552, 0.2103



24.8521, 0.3401, 0.2282



24.8521, 0.4940, 0.4115

Rectangle

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



24.8521, 0.2649, 0.4734



24.8521, 0.1650, 0.2994



24.8521, 0.3401, 0.2282



24.8521, 0.4850, 0.3218

Sweetspot

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



24.8531, 0.2649, 0.4734



52.2146, 0.2859, 0.3650



25.3515, 0.3290, 0.5768



11.3127, 0.2829, 0.3703



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.



24.8531, 0.2649, 0.4734



44.4637, 0.2658, 0.4767



23.1664, 0.2190, 0.3084



7.4615, 0.3042, 0.3387



20.1897, 0.2646, 0.4726



0.3694, 0.2469, 0.4089

Inverse Universe

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



7.5867, 0.5227, 0.2655



13.5300, 0.5280, 0.2682



7.4045, 0.6337, 0.3346



6.6909, 0.3220, 0.3195



6.1597, 0.5215, 0.2647



0.1184, 0.4288, 0.2136

Previews

White Background



This preview shows how the Yxy color 24.8521, 0.2649, 0.4734 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 24.8521, 0.2649, 0.4734 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 24.8521, 0.2649, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 24.8521, 0.2649, 0.4734.



This preview shows how white text looks on a background with the Yxy color 24.8521, 0.2649, 0.4734.

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

24.8521, 0.2649, 0.4734

Protanopia

24.6071, 0.3860, 0.4180

Deuteranopia

24.3869, 0.3895, 0.3832



Tritanopia

24.9676, 0.2324, 0.3066

Trichromacy



Original Color

24.8521, 0.2649, 0.4734



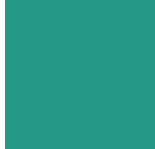
Protanomaly

23.0353, 0.3168, 0.4469



Deuteranomaly

22.4479, 0.3178, 0.4198



Tritanomaly

24.5991, 0.2415, 0.3630

Monochromacy



Original Color

24.8521, 0.2649, 0.4734



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.2060, 0.2758, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8521, 0.2649, 0.4734 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, 157, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 90)  
}
```

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, 157, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 90) }
```

Border

The CSS property to change the border of an element to Yxy 24.8521, 0.2649, 0.4734 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, 157, 90) }
```

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

```
.border{ border-color:rgb(0, 157, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 157, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.8521, 0.2649, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 90) }
```

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

```
.background{ background-color: rgb(0, 157,  
90) }
```

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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