

Converting Colors

$Y_{xy}(23.3241, 0.2307, 0.4780)$

Have a look what the booklet for
Yxy(23.3241, 0.2307, 0.4780)
contains.

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Color

Yxy(24.5672, 0.2626, 0.4653)

Conversions

Conversions Part 1

Format	Color
Hex	009C5D
RGB	0, 156, 93
RGB Percent	0%, 61%, 36%
CMY	0.9996, 0.3882, 0.6353
CMYK	1.00, 0.00, 0.40, 0.39
HSL	156°, 100%, 31%
HSV	156°, 100%, 61%
XYZ	13.8649, 24.5672, 14.3665
YIQ	102.1740, -72.7530, -52.6650

Conversions

Conversions Part 2

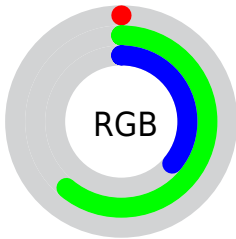
Format	Color
RYB	0, 98, 156
Decimal	40029
CIELab	56.65, -49.95, 23.44
CIELCh	57, 55.173, 154.857
Yxy	24.5672, 0.2626, 0.4653
Android (android.graphics.Color)	4278230109 (0xFF009C5D)
YUV	102.1740, -4.5228, -89.6066
Hunter-Lab	49.5653, -36.8074, 17.5105

Details

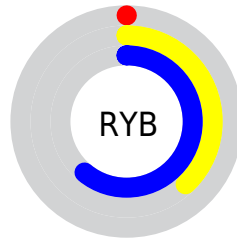
The Yxy color **24.5672, 0.2626, 0.4653** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.4300, 0.5328, 0.2710**, and the grayscale version is **13.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1268, 0.2751, 0.4326**, and **9.8978, 0.2747, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **24.5669, 0.2626, 0.4654**, and if you desaturate by 10%, it is **24.7914, 0.2609, 0.4502**.

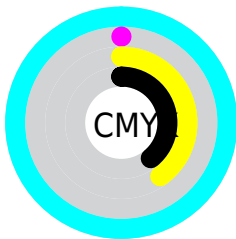
Distribution



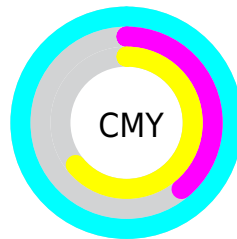
- Red (0%)
- Green (61%)
- Blue (36%)



- Red (0%)
- Yellow (38%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (39%)




- Cyan (100%)
- Magenta (39%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5672, 0.2626, 0.4653 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 24.5672, 0.2626, 0.4653 by changing the saturation by 10% instead.


 24.5672, 0.2626,
0.4653

 24.5672, 0.2626,
0.4653


275.6756, 0.2929,
0.3847


 15.7549, 0.2526,
0.4909


 50.9542, 0.2752,
0.4323

 9.3509, 0.2379,
0.5276


 69.2977, 0.2795,
0.4211


 4.9708, 0.2146,
0.5843

 91.5871, 0.2828,
0.4121

 2.2301, 0.1702,
0.7122

 118.2067, 0.2856,
0.4047

 0.7363, 0.0000,
1.0000

 149.5410, 0.2879,
0.3985

 0.0000, 0.0000,
0.0000

 185.9743, 0.2898,

0.3932

227.8911, 0.2915,
0.3886

■ 24.5672, 0.2626,
0.4653

■ 24.5672, 0.2626,
0.4653

■ 24.5669, 0.2626,
0.4654

■ 24.7914, 0.2609,
0.4502

■ 25.1056, 0.2606,
0.4349

■ 25.5470, 0.2623,
0.4194

■ 26.1306, 0.2658,
0.4041

■ 26.8693, 0.2711,
0.3893

■ 27.7747, 0.2777,
0.3752

■ 28.8569, 0.2855,
0.3621

■ 30.1255, 0.2941,
0.3500

■ 31.5892, 0.3033,
0.3389

Harmonies

Analogous

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



24.5672, 0.3501, 0.5064



24.5672, 0.2626, 0.4653



24.5672, 0.1938, 0.3639

Triad

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



24.5672, 0.2626, 0.4653



24.5672, 0.1897, 0.1909



24.5672, 0.4946, 0.3471

Complementary

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



24.5672, 0.2626, 0.4653



7.4300, 0.5328, 0.2710

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.



24.5672, 0.4392, 0.2844



24.5672, 0.2626, 0.4653



24.5672, 0.2527, 0.1994

Square

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



24.5672, 0.2626, 0.4653



24.5672, 0.1590, 0.2113



24.5672, 0.3443, 0.2324



24.5672, 0.4883, 0.4137

Rectangle

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



24.5672, 0.2626, 0.4653



24.5672, 0.1669, 0.2962



24.5672, 0.3443, 0.2324



24.5672, 0.4827, 0.3255

Sweetspot

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



24.5682, 0.2626, 0.4653



52.2731, 0.2850, 0.3629



24.9032, 0.3269, 0.5786



11.3269, 0.2819, 0.3679



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.



24.5682, 0.2626, 0.4653



44.5801, 0.2634, 0.4682



22.0485, 0.2175, 0.3031



7.4641, 0.3039, 0.3382



20.2423, 0.2623, 0.4643



0.3702, 0.2455, 0.4038

Inverse Universe

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



7.4300, 0.5328, 0.2710



13.4532, 0.5378, 0.2736



7.3583, 0.6325, 0.3359



6.6884, 0.3224, 0.3200



6.1243, 0.5312, 0.2700



0.1176, 0.4356, 0.2174

Previews

White Background



This preview shows how the Yxy color 24.5672, 0.2626, 0.4653 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 24.5672, 0.2626, 0.4653 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 24.5672, 0.2626, 0.4653

Background



This preview shows how black text looks on a background with the Yxy color 24.5672, 0.2626, 0.4653.



This preview shows how white text looks on a background with the Yxy color 24.5672, 0.2626, 0.4653.

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

24.5672, 0.2626, 0.4653

Protanopia

24.1869, 0.3811, 0.4127

Deuteranopia

24.0749, 0.3854, 0.3772



Tritanopia

24.5877, 0.2321, 0.3065

Trichromacy



Original Color

24.5672, 0.2626, 0.4653



Protanomaly

22.7292, 0.3134, 0.4397



Deuteranomaly

22.1531, 0.3140, 0.4124



Tritanomaly

24.2859, 0.2400, 0.3590

Monochromacy



Original Color

24.5672, 0.2626, 0.4653



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.9437, 0.2737, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5672, 0.2626, 0.4653 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, 156, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 93)  
}
```

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, 156, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 93) }
```

Border

The CSS property to change the border of an element to Yxy 24.5672, 0.2626, 0.4653 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, 156, 93) }
```

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

```
.border{ border-color:rgb(0, 156, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.5672, 0.2626, 0.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 93) }
```

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

```
.background{ background-color: rgb(0, 156,  
93) }
```

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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