

Converting Colors

$Yxy(25.9535, 0.2402, 0.4853)$

Have a look what the booklet for
Yxy(25.9535, 0.2402, 0.4853)
contains.

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Color

Yxy(26.9847, 0.2652, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	00A35D
RGB	0, 163, 93
RGB Percent	0%, 64%, 36%
CMY	1.0000, 0.3607, 0.6353
CMYK	1.00, 0.00, 0.43, 0.36
HSL	154°, 100%, 32%
HSV	154°, 100%, 64%
XYZ	15.0692, 26.9847, 14.7680
YIQ	106.2830, -74.6780, -56.3260

Conversions

Conversions Part 2

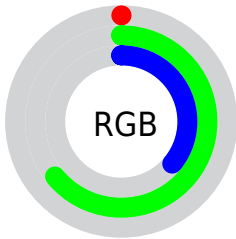
Format	Color
RYB	0, 104, 163
Decimal	41821
CIELab	58.96, -52.49, 26.48
CIELCh	59, 58.791, 153.226
Yxy	26.9847, 0.2652, 0.4749
Android (android.graphics.Color)	4278231901 (0xFF00A35D)
YUV	106.2830, -6.5485, -93.2102
Hunter-Lab	51.9468, -39.1261, 19.5072

Details

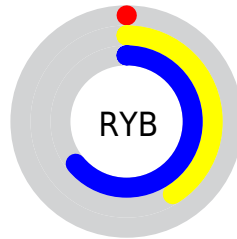
The Yxy color **26.9847, 0.2652, 0.4749** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2300, 0.5234, 0.2657**, and the grayscale version is **14.5299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8005, 0.2771, 0.4404**, and **11.3413, 0.2782, 0.5216** is the 20% darker color. If you saturate the color by 10%, you get **26.9881, 0.2652, 0.4749**, and if you desaturate by 10%, it is **27.2308, 0.2632, 0.4589**.

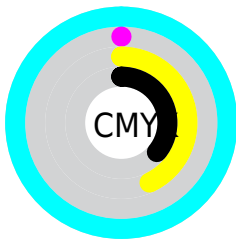
Distribution



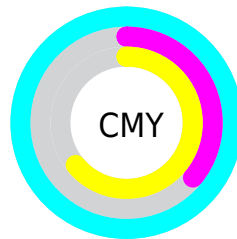
- Red (0%)
- Green (64%)
- Blue (36%)



- Red (0%)
- Yellow (41%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9847, 0.2652, 0.4749 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 26.9847, 0.2652, 0.4749 by changing the saturation by 10% instead.


 26.9847, 0.2652,
0.4749


 26.9847, 0.2652,
0.4749


287.5830, 0.2941,
0.3895


 17.5617, 0.2556,
0.5014


 54.8593, 0.2773,
0.4403


 10.6358, 0.2416,
0.5389


 74.0798, 0.2813,
0.4285

 5.8225, 0.2194,
0.5955

 97.3348, 0.2845,
0.4189

 2.7375, 0.1837,
0.7046

 125.0089, 0.2872,
0.4109

 0.9962, 0.0000,
1.0000

 157.4863, 0.2894,
0.4043

 0.0000, 0.0000,
0.0000

 195.1516, 0.2912,

0.3986

238.3890, 0.2928,
0.3938

■ 26.9847, 0.2652,
0.4749

■ 26.9847, 0.2652,
0.4749

■ 26.9881, 0.2652,
0.4749

■ 27.2308, 0.2632,
0.4589

■ 27.5762, 0.2627,
0.4425

■ 28.0634, 0.2641,
0.4260

■ 28.7092, 0.2674,
0.4096

■ 29.5282, 0.2724,
0.3937

■ 30.5332, 0.2788,
0.3786

■ 31.7357, 0.2864,
0.3645

■ 33.1463, 0.2947,
0.3515

■ 34.7747, 0.3036,
0.3396

Harmonies

Analogous

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



26.9847, 0.3552, 0.5122



26.9847, 0.2652, 0.4749



26.9847, 0.1932, 0.3710

Triad

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



26.9847, 0.2652, 0.4749



26.9847, 0.1839, 0.1877



26.9847, 0.4988, 0.3431

Complementary

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



26.9847, 0.2652, 0.4749



8.2300, 0.5234, 0.2657

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.



26.9847, 0.4386, 0.2797



26.9847, 0.2652, 0.4749



26.9847, 0.2465, 0.1950

Square

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



26.9847, 0.2652, 0.4749



26.9847, 0.1544, 0.2100



26.9847, 0.3395, 0.2274



26.9847, 0.4950, 0.4112

Rectangle

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



26.9847, 0.2652, 0.4749



26.9847, 0.1646, 0.2998



26.9847, 0.3395, 0.2274



26.9847, 0.4855, 0.3212

Sweetspot

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



26.9881, 0.2652, 0.4749



56.6990, 0.2859, 0.3652



27.5239, 0.3287, 0.5772



12.5322, 0.2828, 0.3708



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



26.9881, 0.2652, 0.4749



48.2863, 0.2660, 0.4777



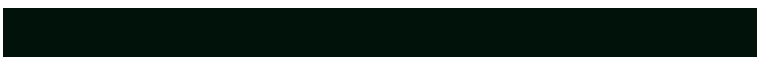
25.1475, 0.2190, 0.3083



7.9596, 0.3042, 0.3388



20.9812, 0.2648, 0.4734



0.4501, 0.2486, 0.4149

Inverse Universe

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



8.2300, 0.5234, 0.2657



14.6989, 0.5278, 0.2681



8.0239, 0.6345, 0.3344



7.1341, 0.3221, 0.3194



6.4042, 0.5212, 0.2645



0.1440, 0.4338, 0.2164

Previews

White Background



This preview shows how the Yxy color 26.9847, 0.2652, 0.4749 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 26.9847, 0.2652, 0.4749 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 26.9847, 0.2652, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 26.9847, 0.2652, 0.4749.



This preview shows how white text looks on a background with the Yxy color 26.9847, 0.2652, 0.4749.

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

26.9847, 0.2652, 0.4749

Protanopia

26.5757, 0.3857, 0.4185

Deuteranopia

26.5729, 0.3904, 0.3827



Tritanopia

26.8619, 0.2319, 0.3055

Trichromacy



Original Color

26.9847, 0.2652, 0.4749



Protanomaly

24.7961, 0.3165, 0.4473



Deuteranomaly

24.2397, 0.3185, 0.4208



Tritanomaly

26.4195, 0.2410, 0.3619

Monochromacy



Original Color

26.9847, 0.2652, 0.4749



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.3116, 0.2749, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9847, 0.2652, 0.4749 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, 163, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 93) }
```

Border

The CSS property to change the border of an element to Yxy 26.9847, 0.2652, 0.4749 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, 163, 93) }
```

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

```
.border{ border-color:rgb(0, 163, 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, 163, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.9847, 0.2652, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 93) }
```

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

```
.background{ background-color: rgb(0, 163,  
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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