

Converting Colors

$Y_{xy}(21.6856, 0.1787, 0.5225)$

Have a look what the booklet for
Yxy(21.6856, 0.1787, 0.5225)
contains.

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Color

Yxy(25.1096, 0.2683, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	009E55
RGB	0, 158, 85
RGB Percent	0%, 62%, 33%
CMY	0.9995, 0.3804, 0.6667
CMYK	1.00, 0.00, 0.46, 0.38
HSL	152°, 100%, 31%
HSV	152°, 100%, 62%
XYZ	13.8677, 25.1096, 12.7099
YIQ	102.4360, -70.7350, -56.1990

Conversions

Conversions Part 2

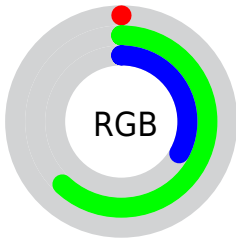
Format	Color
RYB	0, 103, 158
Decimal	40533
CIELab	57.18, -52.22, 28.43
CIELCh	57, 59.455, 151.432
Yxy	25.1096, 0.2683, 0.4858
Android (android.graphics.Color)	4278230613 (0xFF009E55)
YUV	102.4360, -8.5959, -89.8364
Hunter-Lab	50.1095, -38.2922, 20.0382

Details

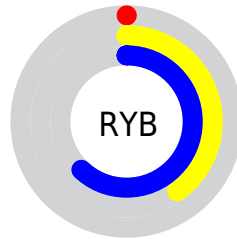
The Yxy color **25.1096, 0.2683, 0.4858** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.7547, 0.5090, 0.2578**, and the grayscale version is **13.4548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9454, 0.2801, 0.4476**, and **10.2431, 0.2818, 0.5343** is the 20% darker color. If you saturate the color by 10%, you get **25.1088, 0.2683, 0.4859**, and if you desaturate by 10%, it is **25.3415, 0.2661, 0.4688**.

Distribution



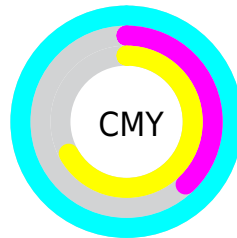
- Red (0%)
- Green (62%)
- Blue (33%)



- Red (0%)
- Yellow (40%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1096, 0.2683, 0.4858 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 25.1096, 0.2683, 0.4858 by changing the saturation by 10% instead.


 25.1096, 0.2683,
0.4858


 25.1096, 0.2683,
0.4858


278.3833, 0.2963,
0.3929


 16.1587, 0.2585,
0.5151


 51.8350, 0.2803,
0.4478


 9.6365, 0.2438,
0.5570


 70.3783, 0.2842,
0.4349

 5.1586, 0.2197,
0.6207

 92.8878, 0.2873,
0.4245

 2.3406, 0.1803,
0.7915

 119.7480, 0.2898,
0.4159

 0.7951, 0.0000,
1.0000

 151.3433, 0.2919,
0.4088

 0.0000, 0.0000,
0.0000

 188.0580, 0.2936,

0.4027

230.2765, 0.2950,
0.3975

■ 25.1096, 0.2683,
0.4858

■ 25.1096, 0.2683,
0.4858

■ 25.1088, 0.2683,
0.4859

■ 25.3415, 0.2661,
0.4688

■ 25.6693, 0.2654,
0.4513

■ 26.1307, 0.2666,
0.4334

■ 26.7415, 0.2697,
0.4157

■ 27.5152, 0.2744,
0.3986

■ 28.4636, 0.2806,
0.3823

■ 29.5975, 0.2877,
0.3671

■ 30.9266, 0.2957,
0.3531

■ 32.4602, 0.3041,
0.3403

Harmonies

Analogous

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



25.1096, 0.3611, 0.5182



25.1096, 0.2683, 0.4858



25.1096, 0.1928, 0.3794

Triad

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



25.1096, 0.2683, 0.4858



25.1096, 0.1775, 0.1842



25.1096, 0.5033, 0.3385

Complementary

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



25.1096, 0.2683, 0.4858



7.7547, 0.5090, 0.2578

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.



25.1096, 0.4375, 0.2743



25.1096, 0.2683, 0.4858



25.1096, 0.2394, 0.1901

Square

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



25.1096, 0.2683, 0.4858



25.1096, 0.1494, 0.2086



25.1096, 0.3338, 0.2218



25.1096, 0.5025, 0.4081

Rectangle

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



25.1096, 0.2683, 0.4858



25.1096, 0.1621, 0.3043



25.1096, 0.3338, 0.2218



25.1096, 0.4883, 0.3163

Sweetspot

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



25.1106, 0.2683, 0.4858



53.6003, 0.2872, 0.3680



25.9022, 0.3330, 0.5737



11.8924, 0.2843, 0.3740



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.



25.1106, 0.2683, 0.4858



45.5565, 0.2692, 0.4890



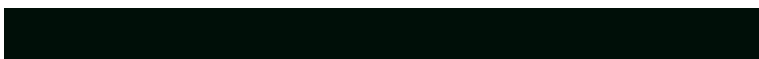
25.1663, 0.2219, 0.3187



7.4577, 0.3047, 0.3395



20.1175, 0.2679, 0.4846



0.3682, 0.2490, 0.4165

Inverse Universe

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



7.7547, 0.5090, 0.2578



14.0362, 0.5136, 0.2603



7.3865, 0.6370, 0.3323



6.6946, 0.3215, 0.3187



6.2155, 0.5072, 0.2568



0.1196, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 25.1096, 0.2683, 0.4858 looks on a white background.

Color Contrast Check

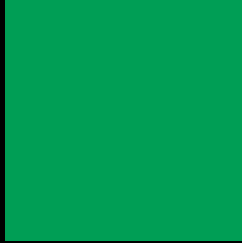
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1096, 0.2683, 0.4858 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 25.1096, 0.2683, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 25.1096, 0.2683, 0.4858.



This preview shows how white text looks on a background with the Yxy color 25.1096, 0.2683, 0.4858.

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

25.1096, 0.2683, 0.4858

Protanopia

24.9112, 0.3915, 0.4266

Deuteranopia

24.7918, 0.3959, 0.3902



Tritanopia

24.9979, 0.2329, 0.3066

Trichromacy



Original Color

25.1096, 0.2683, 0.4858



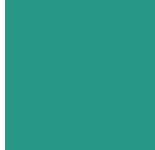
Protanomaly

23.3168, 0.3219, 0.4577



Deuteranomaly

22.7141, 0.3234, 0.4311



Tritanomaly

24.5620, 0.2431, 0.3672

Monochromacy



Original Color

25.1096, 0.2683, 0.4858



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.8874, 0.2766, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1096, 0.2683, 0.4858 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 85) }
```

Border

The CSS property to change the border of an element to Yxy 25.1096, 0.2683, 0.4858 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, 85) }
```

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

```
.border{ border-color:rgb(0, 158, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.1096, 0.2683, 0.4858 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, 85) }
```

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

```
.background{ background-color: rgb(0, 158,  
85) }
```

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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