

Converting Colors

$Y_{xy}(24.4198, 0.2227, 0.4790)$

Have a look what the booklet for
Yxy(24.4198, 0.2227, 0.4790)
contains.

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Color

Yxy(26.3343, 0.2627, 0.4656)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A160 |
| RGB | 0, 161, 96 |
| RGB Percent | 0%, 63%, 38% |
| CMY | 0.9992, 0.3686, 0.6235 |
| CMYK | 1.00, 0.00, 0.40, 0.37 |
| HSL | 156°, 100%, 32% |
| HSV | 156°, 100%, 63% |
| XYZ | 14.8583, 26.3343, 15.3673 |
| YIQ | 105.4510, -75.0910, -54.3470 |

Conversions

Conversions Part 2

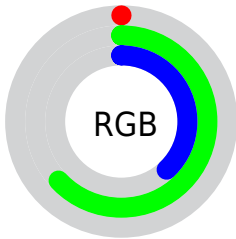
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 101, 161 |
| Decimal | 41312 |
| CIELab | 58.35, -51.14, 24.06 |
| CIElCh | 58, 56.519, 154.800 |
| Yxy | 26.3343, 0.2627, 0.4656 |
| Android (android.graphics.Color) | 4278231392 (0xFF00A160) |
| YUV | 105.4510, -4.6593, -92.4805 |
| Hunter-Lab | 51.3170, -38.1219, 18.1669 |

Details

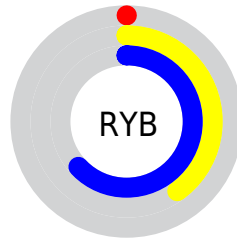
The Yxy color **26.3343, 0.2627, 0.4656** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.9657, 0.5332, 0.2712**, and the grayscale version is **14.3020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8561, 0.2752, 0.4334**, and **10.9469, 0.2743, 0.5075** is the 20% darker color. If you saturate the color by 10%, you get **26.3324, 0.2627, 0.4658**, and if you desaturate by 10%, it is **26.5718, 0.2609, 0.4505**.

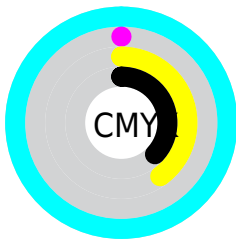
Distribution



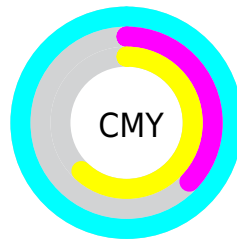
- Red (0%)
- Green (63%)
- Blue (38%)



- Red (0%)
- Yellow (40%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3343, 0.2627, 0.4656 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 26.3343, 0.2627, 0.4656 by changing the saturation by 10% instead.

 26.3343, 0.2627,
0.4656


 26.3343, 0.2627,
0.4656


284.4193, 0.2927,
0.3856

 17.0739, 0.2530,
0.4905


 53.8138, 0.2751,
0.4331


 10.2872, 0.2388,
0.5260


 72.8016, 0.2793,
0.4220

 5.5898, 0.2167,
0.5800

 95.8007, 0.2826,
0.4130

 2.5973, 0.1792,
0.6817

 123.1955, 0.2854,
0.4056

 0.9253, 0.0000,
1.0000

 155.3704, 0.2877,
0.3994

 0.0000, 0.0000,
0.0000

 192.7097, 0.2896,

0.3941

235.5979, 0.2913,
0.3895

■ 26.3343, 0.2627,
0.4656

■ 26.3343, 0.2627,
0.4656

■ 26.3324, 0.2627,
0.4658

■ 26.5718, 0.2609,
0.4505

■ 26.9077, 0.2606,
0.4351

■ 27.3803, 0.2622,
0.4196

■ 28.0061, 0.2658,
0.4042

■ 28.7990, 0.2710,
0.3894

■ 29.7713, 0.2777,
0.3753

■ 30.9342, 0.2855,
0.3621

■ 32.2979, 0.2942,
0.3499

■ 33.8719, 0.3034,
0.3389

Harmonies

Analogous

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



26.3343, 0.3502, 0.5066



26.3343, 0.2627, 0.4656



26.3343, 0.1938, 0.3642

Triad

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



26.3343, 0.2627, 0.4656



26.3343, 0.1895, 0.1908



26.3343, 0.4947, 0.3469

Complementary

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



26.3343, 0.2627, 0.4656



7.9657, 0.5332, 0.2712

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.



26.3343, 0.4392, 0.2843



26.3343, 0.2627, 0.4656



26.3343, 0.2525, 0.1993

Square

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



26.3343, 0.2627, 0.4656



26.3343, 0.1589, 0.2113



26.3343, 0.3441, 0.2322



26.3343, 0.4885, 0.4136

Rectangle

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



26.3343, 0.2627, 0.4656



26.3343, 0.1669, 0.2963



26.3343, 0.3441, 0.2322



26.3343, 0.4828, 0.3254

Sweetspot

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



26.3354, 0.2627, 0.4656



55.2449, 0.2850, 0.3630



26.6905, 0.3268, 0.5786



11.9288, 0.2818, 0.3681



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.



26.3354, 0.2627, 0.4656



47.1199, 0.2635, 0.4685



23.6292, 0.2175, 0.3030



7.9625, 0.3039, 0.3382



21.0395, 0.2624, 0.4646



0.4511, 0.2471, 0.4095

Inverse Universe

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



7.9657, 0.5332, 0.2712



14.2182, 0.5381, 0.2738



7.8812, 0.6326, 0.3357



7.1312, 0.3224, 0.3199



6.3648, 0.5315, 0.2702



0.1430, 0.4411, 0.2203

Previews

White Background



This preview shows how the Yxy color 26.3343, 0.2627, 0.4656 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 26.3343, 0.2627, 0.4656 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 26.3343, 0.2627, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 26.3343, 0.2627, 0.4656.



This preview shows how white text looks on a background with the Yxy color 26.3343, 0.2627, 0.4656.

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

26.3343, 0.2627, 0.4656

Protanopia

25.8288, 0.3826, 0.4134

Deuteranopia

26.0088, 0.3852, 0.3789



Tritanopia

26.4289, 0.2322, 0.3071

Trichromacy



Original Color

26.3343, 0.2627, 0.4656



Protanomaly

24.1470, 0.3141, 0.4408



Deuteranomaly

23.8699, 0.3138, 0.4138



Tritanomaly

26.0825, 0.2405, 0.3601

Monochromacy



Original Color

26.3343, 0.2627, 0.4656



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.1100, 0.2746, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3343, 0.2627, 0.4656 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, 161, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 96)  
}
```

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, 161, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 96) }
```

Border

The CSS property to change the border of an element to Yxy 26.3343, 0.2627, 0.4656 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, 161, 96) }
```

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

```
.border{ border-color:rgb(0, 161, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 161, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.3343, 0.2627, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 96) }
```

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

```
.background{ background-color: rgb(0, 161,  
96) }
```

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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