

Converting Colors

$Yxy(26.8099, 0.2841, 0.4886)$

Have a look what the booklet for
Yxy(26.8099, 0.2841, 0.4886)
contains.

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Color

Yxy(26.7672, 0.2838, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	31A153
RGB	49, 161, 83
RGB Percent	19%, 63%, 33%
CMY	0.8079, 0.3686, 0.6744
CMYK	0.70, 0.00, 0.48, 0.37
HSL	138°, 53%, 41%
HSV	138°, 70%, 63%
XYZ	15.5730, 26.7672, 12.5331
YIQ	118.6200, -41.7140, -48.0020

Conversions

Conversions Part 2

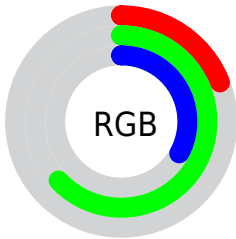
Format	Color
R_{YB}	49, 135, 161
Decimal	3252563
CIE _{Lab}	58.76, -48.63, 31.60
CIE _{LCh}	59, 58.001, 146.982
Yxy	26.7672, 0.2838, 0.4878
Android (android.graphics.Color)	4281442643 (0xFF31A153)
YUV	118.6200, -17.5607, -61.0567
Hunter-Lab	51.7370, -36.8106, 21.8532

Details

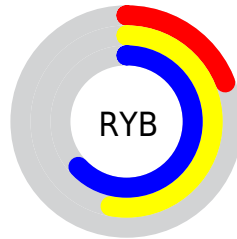
The Yxy color **26.7672, 0.2838, 0.4878** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.3050, 0.3763, 0.2168**, and the grayscale version is **18.3882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6619, 0.2927, 0.4501**, and **10.8465, 0.2848, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **26.2776, 0.2838, 0.5131**, and if you desaturate by 10%, it is **27.4299, 0.2854, 0.4615**.

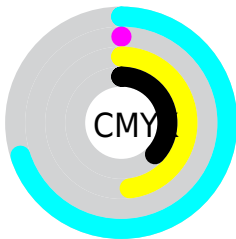
Distribution



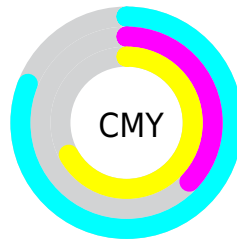
- Red (19%)
- Green (63%)
- Blue (33%)



- Red (19%)
- Yellow (53%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (48%)
- Black (37%)




- Cyan (81%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7672, 0.2838, 0.4878 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 26.7672, 0.2838, 0.4878 by changing the saturation by 10% instead.


 26.7672, 0.2838,
0.4878


 26.7672, 0.2838,
0.4878


286.5282, 0.3033,
0.3949


 17.3985, 0.2764,
0.5164


 54.5101, 0.2925,
0.4502


 10.5190, 0.2648,
0.5567


 73.6530, 0.2953,
0.4373

 5.7444, 0.2452,
0.6166

 96.8228, 0.2974,
0.4268

 2.6903, 0.2229,
0.7625

 124.4038, 0.2991,
0.4182

 0.9723, 0.0000,
1.0000

 156.7804, 0.3005,
0.4110

 0.0000, 0.0000,
0.0000

194.3371, 0.3016,

0.4048

237.4582, 0.3025,
0.3995

■ 26.7672, 0.2838,
0.4878

■ 26.7672, 0.2838,
0.4878

■ 26.2776, 0.2838,
0.5131

■ 27.4299, 0.2854,
0.4615

■ 25.9406, 0.2853,
0.5361

■ 28.2775, 0.2883,
0.4353

■ 25.7202, 0.2879,
0.5561

■ 29.3243, 0.2923,
0.4101

■ 25.7117, 0.2880,
0.5569

■ 30.5823, 0.2970,
0.3866

■ 32.0626, 0.3021,
0.3650

■ 33.7754, 0.3075,
0.3456

■ 35.7304, 0.3129,
0.3283

■ 37.9367, 0.3183,
0.3131

■ 40.4027, 0.3235,
0.2997

Harmonies

Analogous

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



26.7672, 0.3736, 0.5076



26.7672, 0.2838, 0.4878



26.7672, 0.2067, 0.3940

Triad

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



26.7672, 0.2838, 0.4878



26.7672, 0.1763, 0.1909



26.7672, 0.4895, 0.3296

Complementary

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



26.7672, 0.2838, 0.4878



11.3050, 0.3763, 0.2168

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.



26.7672, 0.4186, 0.2682



26.7672, 0.2838, 0.4878



26.7672, 0.2315, 0.1924

Square

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



26.7672, 0.2838, 0.4878



26.7672, 0.1535, 0.2202



26.7672, 0.3184, 0.2197



26.7672, 0.4991, 0.3966

Rectangle

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



26.7672, 0.2838, 0.4878



26.7672, 0.1730, 0.3209



26.7672, 0.3184, 0.2197



26.7672, 0.4718, 0.3082

Sweetspot

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



26.7683, 0.2838, 0.4878



56.9053, 0.3012, 0.3688



30.2551, 0.3689, 0.5047



12.3265, 0.2998, 0.3742



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.



26.7683, 0.2838, 0.4878



46.7261, 0.2843, 0.5249



27.9959, 0.2475, 0.3716



7.9288, 0.3077, 0.3450



20.5410, 0.2876, 0.5555



0.4396, 0.2674, 0.4826

Inverse Universe

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



11.3050, 0.3763, 0.2168



17.2175, 0.3954, 0.2065



10.2334, 0.4942, 0.2984



7.1653, 0.3182, 0.3135



6.9950, 0.4139, 0.2054



0.1548, 0.3734, 0.1831

Previews

White Background



This preview shows how the Yxy color 26.7672, 0.2838, 0.4878 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 26.7672, 0.2838, 0.4878 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 26.7672, 0.2838, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 26.7672, 0.2838, 0.4878.



This preview shows how white text looks on a background with the Yxy color 26.7672, 0.2838, 0.4878.

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

26.7672, 0.2838, 0.4878

Protanopia

26.2465, 0.3962, 0.4297

Deuteranopia

26.2234, 0.4033, 0.3956



Tritanopia

26.6733, 0.2410, 0.3075

Trichromacy



Original Color

26.7672, 0.2838, 0.4878



Protanomaly

25.4573, 0.3432, 0.4549



Deuteranomaly

24.9946, 0.3479, 0.4315



Tritanomaly

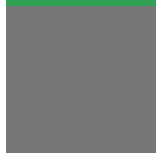
26.3502, 0.2557, 0.3673

Monochromacy



Original Color

26.7672, 0.2838, 0.4878



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.4705, 0.2972, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7672, 0.2838, 0.4878 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(49, 161, 83)` looks like.

```
.text, #text, p{  
    color:rgb(49, 161, 83)  
}
```

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(49, 161, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 161, 83) }
```

Border

The CSS property to change the border of an element to Yxy 26.7672, 0.2838, 0.4878 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(49, 161, 83) }
```

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

```
.border{ border-color:rgb(49, 161, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 161, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 161, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 161, 83);  
box-shadow:4px 4px 4px 4px rgb(49, 161,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7672, 0.2838, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 161, 83) }
```

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

```
.background{ background-color: rgb(49, 161,  
83) }
```

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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