

Converting Colors

$Y_{xy}(26.6683, 0.2677, 0.4146)$

Have a look what the booklet for
Yxy(26.6683, 0.2677, 0.4146)
contains.

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Color

$\text{Yxy}(26.6836, 0.2678, 0.4144)$

Conversions

Conversions Part 1

Format	Color
Hex	3D9E73
RGB	61, 158, 115
RGB Percent	24%, 62%, 45%
CMY	0.7610, 0.3804, 0.5490
CMYK	0.61, 0.00, 0.27, 0.38
HSL	153°, 44%, 43%
HSV	153°, 61%, 62%
XYZ	17.2439, 26.6836, 20.4634
YIQ	124.0950, -44.0090, -33.9370

Conversions

Conversions Part 2

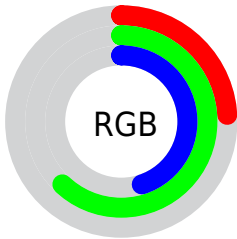
Format	Color
RYB	61, 123, 158
Decimal	4038259
CIELab	58.68, -38.84, 14.20
CIELCh	59, 41.358, 159.922
Yxy	26.6836, 0.2678, 0.4144
Android (android.graphics.Color)	4282228339 (0xFF3D9E73)
YUV	124.0950, -4.4838, -55.3343
Hunter-Lab	51.6562, -30.8113, 12.6718

Details

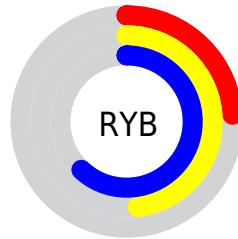
The Yxy color **26.6836, 0.2678, 0.4144** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.6007, 0.4130, 0.2623**, and the grayscale version is **20.2120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2301, 0.2781, 0.3945**, and **10.7133, 0.2577, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **26.1003, 0.2648, 0.4314**, and if you desaturate by 10%, it is **27.4290, 0.2725, 0.3979**.

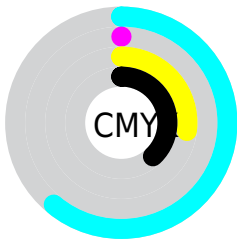
Distribution



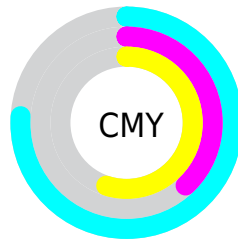
- Red (24%)
- Green (62%)
- Blue (45%)



- Red (24%)
- Yellow (48%)
- Blue (62%)



- Cyan (61%)
- Magenta (0%)
- Yellow (27%)
- Black (38%)





- Cyan (76%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6836, 0.2678, 0.4144 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 26.6836, 0.2678, 0.4144 by changing the saturation by 10% instead.

 26.6836, 0.2678,
0.4144


 26.6836, 0.2678,
0.4144


286.1219, 0.2934,
0.3655


 17.3357, 0.2601,
0.4293

 54.3757, 0.2780,
0.3948


 10.4742, 0.2493,
0.4503


 73.4888, 0.2815,
0.3880

 5.7145, 0.2331,
0.4820

 96.6257, 0.2844,
0.3825

 2.6722, 0.2063,
0.5353

 124.1709, 0.2868,
0.3779

 0.9631, 0.0000,
0.9472

 156.5087, 0.2888,
0.3741

 0.0000, 0.0000,
0.0000

194.0235, 0.2906,

0.3708

237.0998, 0.2921,
0.3679

■ 26.6836, 0.2678,
0.4144

■ 26.6836, 0.2678,
0.4144

■ 26.1003, 0.2648,
0.4314

■ 27.4290, 0.2725,
0.3979

■ 25.6622, 0.2638,
0.4484

■ 28.3452, 0.2786,
0.3822

■ 25.3542, 0.2646,
0.4652

■ 29.4443, 0.2858,
0.3675

■ 25.1607, 0.2665,
0.4792

■ 30.7362, 0.2939,
0.3540

■ 32.2300, 0.3025,
0.3416

■ 33.9344, 0.3114,
0.3305

■ 35.8574, 0.3204,
0.3206

■ 38.0068, 0.3294,
0.3117

■ 40.3897, 0.3382,
0.3040

Harmonies

Analogous

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



26.6836, 0.3337, 0.4545



26.6836, 0.2678, 0.4144



26.6836, 0.2174, 0.3433

Triad

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



26.6836, 0.2678, 0.4144



26.6836, 0.2256, 0.2223



26.6836, 0.4492, 0.3565

Complementary

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



26.6836, 0.2678, 0.4144



11.6007, 0.4130, 0.2623

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.



26.6836, 0.4147, 0.3052



26.6836, 0.2678, 0.4144



26.6836, 0.2795, 0.2318

Square

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



26.6836, 0.2678, 0.4144



26.6836, 0.1962, 0.2363



26.6836, 0.3495, 0.2612



26.6836, 0.4411, 0.4077

Rectangle

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



26.6836, 0.2678, 0.4144



26.6836, 0.1981, 0.2970



26.6836, 0.3495, 0.2612



26.6836, 0.4423, 0.3390

Sweetspot

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



26.6847, 0.2678, 0.4144



56.6052, 0.2965, 0.3500



27.7732, 0.3403, 0.5013



12.6000, 0.2942, 0.3536



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.



26.6847, 0.2678, 0.4144



47.0432, 0.2642, 0.4382



26.2924, 0.2373, 0.3199



7.4598, 0.3044, 0.3391



20.1573, 0.2661, 0.4779



0.3689, 0.2478, 0.4122

Inverse Universe

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



11.6007, 0.4130, 0.2623



17.2022, 0.4500, 0.2547



11.4799, 0.4951, 0.3367



6.6925, 0.3218, 0.3191



6.1837, 0.5152, 0.2612



0.1190, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 26.6836, 0.2678, 0.4144 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 26.6836, 0.2678, 0.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

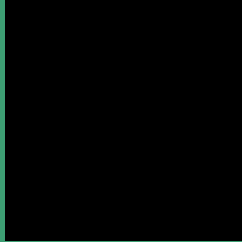
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.6836, 0.2678, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 26.6836, 0.2678, 0.4144.



This preview shows how white text looks on a background with the Yxy color 26.6836, 0.2678, 0.4144.

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

26.6836, 0.2678, 0.4144

Protanopia

26.3017, 0.3587, 0.3834

Deuteranopia

26.2611, 0.3594, 0.3528



Tritanopia

26.7565, 0.2422, 0.3075

Trichromacy



Original Color

26.6836, 0.2678, 0.4144



Protanomaly

25.8448, 0.3177, 0.3963



Deuteranomaly

25.3129, 0.3181, 0.3736



Tritanomaly

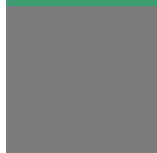
26.5642, 0.2513, 0.3437

Monochromacy



Original Color

26.6836, 0.2678, 0.4144



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

21.7555, 0.2901, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6836, 0.2678, 0.4144 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(61, 158, 115)` looks like.

```
.text, #text, p{  
    color:rgb(61, 158, 115)  
}
```

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(61, 158, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 158, 115) }
```

Border

The CSS property to change the border of an element to Yxy 26.6836, 0.2678, 0.4144 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(61, 158, 115) }
```

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

```
.border{ border-color:rgb(61, 158, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 158, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 158, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 158, 115);  
box-shadow:4px 4px 4px 4px rgb(61, 158,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6836, 0.2678, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 158, 115) }
```

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

```
.background{ background-color: rgb(61, 158,  
115) }
```

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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