

Converting Colors

$Y_{xy}(13.0693, 0.1138, 0.5190)$

Have a look what the booklet for
Yxy(13.0693, 0.1138, 0.5190)
contains.

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Color

Yxy(16.2223, 0.2626, 0.4653)

Conversions

Conversions Part 1

Format	Color
Hex	00814C
RGB	0, 129, 76
RGB Percent	0%, 51%, 30%
CMY	0.9998, 0.4941, 0.7019
CMYK	1.00, 0.00, 0.41, 0.49
HSL	155°, 100%, 25%
HSV	155°, 100%, 51%
XYZ	9.1553, 16.2223, 9.4865
YIQ	84.3870, -59.8710, -43.8310

Conversions

Conversions Part 2

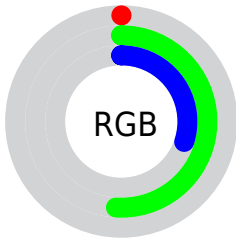
Format	Color
RYB	0, 81, 129
Decimal	33100
CIELab	47.26, -43.49, 20.41
CIELCh	47, 48.045, 154.857
Yxy	16.2223, 0.2626, 0.4653
Android (android.graphics.Color)	4278223180 (0xFF00814C)
YUV	84.3870, -4.1348, -74.0074
Hunter-Lab	40.2769, -29.9098, 14.2291

Details

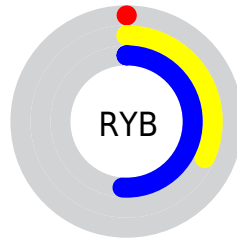
The Yxy color **16.2223, 0.2626, 0.4653** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.9261, 0.5260, 0.2672**, and the grayscale version is **8.9721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0099, 0.2769, 0.4296**, and **5.5477, 0.2770, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **16.2222, 0.2626, 0.4654**, and if you desaturate by 10%, it is **16.3847, 0.2613, 0.4501**.

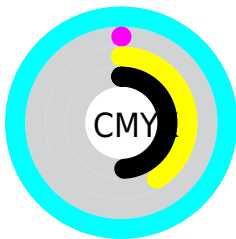
Distribution



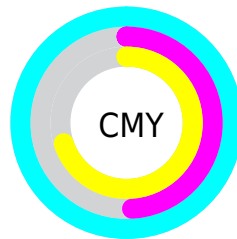
- Red (0%)
- Green (51%)
- Blue (30%)



- Red (0%)
- Yellow (32%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (70%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2223, 0.2626, 0.4653 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 16.2223, 0.2626, 0.4653 by changing the saturation by 10% instead.


 16.2223, 0.2626,
0.4653


 16.2223, 0.2626,
0.4653

 230.6499, 0.2946,
0.3802


 9.6816, 0.2508,
0.4955


 36.9837, 0.2766,
0.4287


 5.1884, 0.2322,
0.5418

 51.9732, 0.2810,
0.4169


 2.3582, 0.2004,
0.6260

 70.5477, 0.2845,
0.4075

 0.8043, 0.0000,
1.0000

 93.0917, 0.2873,
0.4000

 0.0000, 0.0000,
0.0000

 119.9895, 0.2896,
0.3937

 151.6255, 0.2916,

0.3885

188.3842, 0.2932,
0.3840

■ 16.2223, 0.2626,
0.4653

■ 16.2223, 0.2626,
0.4653

■ 16.2222, 0.2626,
0.4654

■ 16.3847, 0.2613,
0.4501

■ 16.6002, 0.2613,
0.4347

■ 16.8985, 0.2631,
0.4192

■ 17.2889, 0.2667,
0.4039

■ 17.7792, 0.2720,
0.3892

■ 18.3766, 0.2786,
0.3751

■ 19.0875, 0.2862,
0.3620

■ 19.9178, 0.2946,
0.3499

■ 20.8731, 0.3035,
0.3389

Harmonies

Analogous

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



16.2223, 0.3501, 0.5064



16.2223, 0.2626, 0.4653



16.2223, 0.1938, 0.3639

Triad

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



16.2223, 0.2626, 0.4653



16.2223, 0.1897, 0.1909



16.2223, 0.4946, 0.3471

Complementary

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



16.2223, 0.2626, 0.4653



4.9261, 0.5260, 0.2672

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.



16.2223, 0.4392, 0.2844



16.2223, 0.2626, 0.4653



16.2223, 0.2527, 0.1994

Square

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



16.2223, 0.2626, 0.4653



16.2223, 0.1590, 0.2113



16.2223, 0.3443, 0.2324



16.2223, 0.4883, 0.4137

Rectangle

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



16.2223, 0.2626, 0.4653



16.2223, 0.1669, 0.2962



16.2223, 0.3443, 0.2324



16.2223, 0.4827, 0.3255

Sweetspot

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



16.2229, 0.2626, 0.4653



34.0782, 0.2856, 0.3630



16.4792, 0.3281, 0.5776



7.6082, 0.2828, 0.3675



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.2229, 0.2626, 0.4653



29.0194, 0.2635, 0.4687



14.6026, 0.2177, 0.3035



4.8579, 0.3043, 0.3380



15.8175, 0.2626, 0.4652



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9261, 0.5260, 0.2672



8.7896, 0.5316, 0.2702



4.9022, 0.6308, 0.3372



4.3713, 0.3219, 0.3202



4.8021, 0.5258, 0.2670



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2223, 0.2626, 0.4653 looks on a white 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

Black Background



This preview shows how the Yxy color 16.2223, 0.2626, 0.4653 looks on a black 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

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

Yxy 16.2223, 0.2626, 0.4653

Background



This preview shows how black text looks on a background with the Yxy color 16.2223, 0.2626, 0.4653.



This preview shows how white text looks on a background with the Yxy color 16.2223, 0.2626, 0.4653.

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

16.2223, 0.2626, 0.4653

Protanopia

16.1556, 0.3818, 0.4141

Deuteranopia

16.0150, 0.3844, 0.3787



Tritanopia

16.1893, 0.2329, 0.3067

Trichromacy



Original Color

16.2223, 0.2626, 0.4653

Protanomaly

15.0444, 0.3146, 0.4386

Deuteranomaly

14.7108, 0.3150, 0.4137

Tritanomaly

16.1131, 0.2411, 0.3599

Monochromacy



Original Color

16.2223, 0.2626, 0.4653

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.4653, 0.2743, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2223, 0.2626, 0.4653 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, 129, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 76)  
}
```

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, 129, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 76) }
```

Border

The CSS property to change the border of an element to Yxy 16.2223, 0.2626, 0.4653 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, 129, 76) }
```

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

```
.border{ border-color:rgb(0, 129, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2223, 0.2626, 0.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 76) }
```

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

```
.background{ background-color: rgb(0, 129,  
76) }
```

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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