

Converting Colors

$Y_{xy}(14.9031, 0.2095, 0.5257)$

Have a look what the booklet for
Yxy(14.9031, 0.2095, 0.5257)
contains.

Yxy(16.6143, 0.2715, 0.4972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6143, 0.2715, 0.4972)

Conversions

Conversions Part 1

Format	Color
Hex	008341
RGB	0, 131, 65
RGB Percent	0%, 51%, 25%
CMY	0.9991, 0.4863, 0.7451
CMYK	1.00, 0.00, 0.50, 0.49
HSL	150°, 100%, 26%
HSV	150°, 100%, 51%
XYZ	9.0724, 16.6143, 7.7291
YIQ	84.3070, -56.8900, -48.2980

Conversions

Conversions Part 2

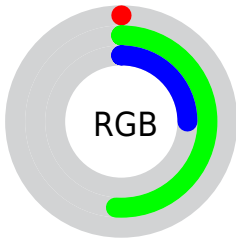
Format	Color
RYB	0, 88, 131
Decimal	33601
CIELab	47.77, -46.37, 27.14
CIELCh	48, 53.724, 149.659
Yxy	16.6143, 0.2715, 0.4972
Android (android.graphics.Color)	4278223681 (0xFF008341)
YUV	84.3070, -9.5184, -73.9372
Hunter-Lab	40.7606, -31.6012, 17.2898

Details

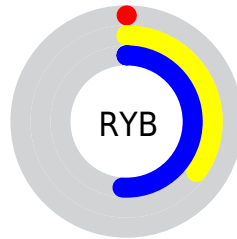
The Yxy color **16.6143, 0.2715, 0.4972** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.2259, 0.4876, 0.2462**, and the grayscale version is **8.9755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6183, 0.2846, 0.4519**, and **5.7843, 0.2886, 0.5591** is the 20% darker color. If you saturate the color by 10%, you get **16.6123, 0.2715, 0.4975**, and if you desaturate by 10%, it is **16.7827, 0.2696, 0.4791**.

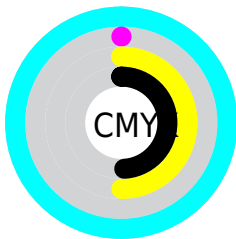
Distribution



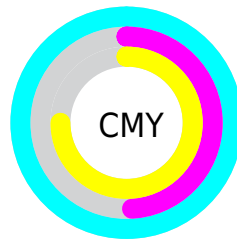
- Red (0%)
- Green (51%)
- Blue (25%)



- Red (0%)
- Yellow (35%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6143, 0.2715, 0.4972 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 16.6143, 0.2715, 0.4972 by changing the saturation by 10% instead.


 16.6143, 0.2715,
0.4972


 16.6143, 0.2715,
0.4972


232.9398, 0.2996,
0.3918


 9.9599, 0.2599,
0.5343


 37.6614, 0.2844,
0.4520


 5.3724, 0.2408,
0.5904

 52.8229, 0.2884,
0.4373

 2.4674, 0.2139,
0.7152

 71.5889, 0.2914,
0.4257

 0.8602, 0.0000,
1.0000

 94.3437, 0.2937,
0.4163

 0.0000, 0.0000,
0.0000

 121.4719, 0.2956,
0.4086

 153.3576, 0.2972,

0.4021

190.3855, 0.2985,
0.3966

■ 16.6143, 0.2715,
0.4972

■ 16.6143, 0.2715,
0.4972

■ 16.6123, 0.2715,
0.4975

■ 16.7827, 0.2696,
0.4791

■ 17.0103, 0.2689,
0.4603

■ 17.3267, 0.2700,
0.4411

■ 17.7415, 0.2729,
0.4221

■ 18.2633, 0.2774,
0.4036

■ 18.8995, 0.2831,
0.3861

■ 19.6569, 0.2898,
0.3697

■ 20.5417, 0.2971,
0.3547

■ 21.5597, 0.3049,
0.3411

Harmonies

Analogous

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



16.6143, 0.3672, 0.5241



16.6143, 0.2715, 0.4972



16.6143, 0.1923, 0.3884

Triad

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



16.6143, 0.2715, 0.4972



16.6143, 0.1710, 0.1805



16.6143, 0.5079, 0.3337

Complementary

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



16.6143, 0.2715, 0.4972



5.2259, 0.4876, 0.2462

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.



16.6143, 0.4363, 0.2687



16.6143, 0.2715, 0.4972



16.6143, 0.2321, 0.1851

Square

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



16.6143, 0.2715, 0.4972



16.6143, 0.1442, 0.2073



16.6143, 0.3278, 0.2161



16.6143, 0.5101, 0.4046

Rectangle

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



16.6143, 0.2715, 0.4972



16.6143, 0.1596, 0.3091



16.6143, 0.3278, 0.2161



16.6143, 0.4911, 0.3112

Sweetspot

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



16.6150, 0.2715, 0.4972



35.0772, 0.2892, 0.3711



17.4538, 0.3409, 0.5674



8.0482, 0.2867, 0.3769



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.6150, 0.2715, 0.4972



29.7191, 0.2726, 0.5013



17.8135, 0.2261, 0.3336



5.2404, 0.3054, 0.3402



16.3535, 0.2715, 0.4974



0.0581, 0.2500, 0.4200

Inverse Universe

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



5.2259, 0.4876, 0.2462



9.3166, 0.4927, 0.2488



4.8352, 0.6370, 0.3285



4.7250, 0.3207, 0.3181



5.1388, 0.4879, 0.2461



0.0193, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 16.6143, 0.2715, 0.4972 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 16.6143, 0.2715, 0.4972 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 16.6143, 0.2715, 0.4972

Background



This preview shows how black text looks on a background with the Yxy color 16.6143, 0.2715, 0.4972.



This preview shows how white text looks on a background with the Yxy color 16.6143, 0.2715, 0.4972.

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

16.6143, 0.2715, 0.4972

Protanopia

16.4860, 0.3971, 0.4320

Deuteranopia

16.4143, 0.4030, 0.3973



Tritanopia

16.5653, 0.2337, 0.3048

Trichromacy



Original Color

16.6143, 0.2715, 0.4972



Protanomaly

15.4753, 0.3276, 0.4665



Deuteranomaly

14.9467, 0.3297, 0.4381



Tritanomaly

16.3329, 0.2447, 0.3695

Monochromacy



Original Color

16.6143, 0.2715, 0.4972



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

10.6275, 0.2802, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6143, 0.2715, 0.4972 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, 131, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 65)  
}
```

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, 131, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 65) }
```

Border

The CSS property to change the border of an element to Yxy 16.6143, 0.2715, 0.4972 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, 131, 65) }
```

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

```
.border{ border-color:rgb(0, 131, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6143, 0.2715, 0.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 65) }
```

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

```
.background{ background-color: rgb(0, 131,  
65) }
```

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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