

Converting Colors

$Yxy(16.6028, 0.2722, 0.4997)$

Have a look what the booklet for
Yxy(16.6028, 0.2722, 0.4997)
contains.

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Color

Yxy(16.6028, 0.2722, 0.4997)

Conversions

Conversions Part 1

Format	Color
Hex	008340
RGB	0, 131, 64
RGB Percent	0%, 51%, 25%
CMY	0.9990, 0.4863, 0.7490
CMYK	1.00, 0.00, 0.51, 0.49
HSL	149°, 100%, 26%
HSV	149°, 100%, 51%
XYZ	9.0440, 16.6028, 7.5787
YIQ	84.1930, -56.5690, -48.6090

Conversions

Conversions Part 2

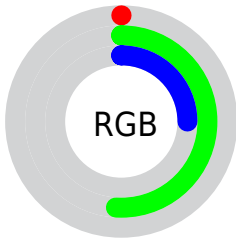
Format	Color
RYB	0, 88, 131
Decimal	33600
CIELab	47.76, -46.54, 27.65
CIELCh	48, 54.137, 149.283
Yxy	16.6028, 0.2722, 0.4997
Android (android.graphics.Color)	4278223680 (0xFF008340)
YUV	84.1930, -9.9551, -73.8373
Hunter-Lab	40.7465, -31.6871, 17.4948

Details

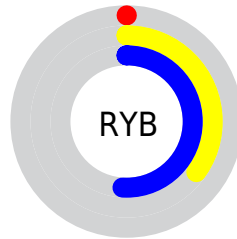
The Yxy color **16.6028, 0.2722, 0.4997** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.2384, 0.4844, 0.2444**, and the grayscale version is **8.9529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5957, 0.2853, 0.4537**, and **5.7810, 0.2894, 0.5618** is the 20% darker color. If you saturate the color by 10%, you get **16.6005, 0.2722, 0.5000**, and if you desaturate by 10%, it is **16.7712, 0.2702, 0.4814**.

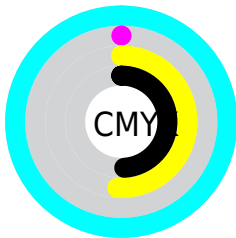
Distribution



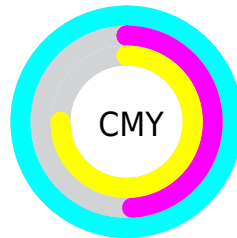
- Red (0%)
- Green (51%)
- Blue (25%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (49%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6028, 0.2722, 0.4997 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 16.6028, 0.2722, 0.4997 by changing the saturation by 10% instead.


 16.6028, 0.2722,
0.4997


 16.6028, 0.2722,
0.4997


232.8729, 0.3000,
0.3927


 9.9517, 0.2606,
0.5373


 37.6416, 0.2851,
0.4538


 5.3669, 0.2414,
0.5942

 52.7981, 0.2890,
0.4389

 2.4641, 0.2151,
0.7241

 71.5584, 0.2919,
0.4271

 0.8586, 0.0000,
1.0000

 94.3071, 0.2943,
0.4176

 0.0000, 0.0000,
0.0000

 121.4285, 0.2961,
0.4097

 153.3070, 0.2977,

0.4031

190.3270, 0.2989,
0.3975

■ 16.6028, 0.2722,
0.4997

■ 16.6028, 0.2722,
0.4997

■ 16.6005, 0.2722,
0.5000

■ 16.7712, 0.2702,
0.4814

■ 16.9991, 0.2695,
0.4624

■ 17.3160, 0.2706,
0.4429

■ 17.7317, 0.2735,
0.4236

■ 18.2546, 0.2778,
0.4048

■ 18.8922, 0.2835,
0.3870

■ 19.6513, 0.2901,
0.3704

■ 20.5382, 0.2973,
0.3551

■ 21.5587, 0.3050,
0.3412

Harmonies

Analogous

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



16.6028, 0.3685, 0.5254



16.6028, 0.2722, 0.4997



16.6028, 0.1922, 0.3905

Triad

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



16.6028, 0.2722, 0.4997



16.6028, 0.1696, 0.1798



16.6028, 0.5088, 0.3327

Complementary

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



16.6028, 0.2722, 0.4997



5.2384, 0.4844, 0.2444

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.



16.6028, 0.4359, 0.2674



16.6028, 0.2722, 0.4997



16.6028, 0.2305, 0.1840

Square

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



16.6028, 0.2722, 0.4997



16.6028, 0.1431, 0.2070



16.6028, 0.3265, 0.2148



16.6028, 0.5118, 0.4039

Rectangle

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



16.6028, 0.2722, 0.4997



16.6028, 0.1590, 0.3102



16.6028, 0.3265, 0.2148



16.6028, 0.4916, 0.3101

Sweetspot

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



16.6035, 0.2722, 0.4997



35.0650, 0.2895, 0.3718



17.4540, 0.3409, 0.5673



8.0452, 0.2870, 0.3777



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.



16.6035, 0.2722, 0.4997



29.6986, 0.2733, 0.5039



17.8134, 0.2261, 0.3336



5.2398, 0.3055, 0.3403



16.3421, 0.2722, 0.4999



0.0581, 0.2505, 0.4219

Inverse Universe

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



5.2384, 0.4844, 0.2444



9.3380, 0.4895, 0.2470



4.8356, 0.6369, 0.3285



4.7256, 0.3206, 0.3179



5.1506, 0.4847, 0.2444



0.0193, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 16.6028, 0.2722, 0.4997 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 16.6028, 0.2722, 0.4997 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 16.6028, 0.2722, 0.4997

Background



This preview shows how black text looks on a background with the Yxy color 16.6028, 0.2722, 0.4997.



This preview shows how white text looks on a background with the Yxy color 16.6028, 0.2722, 0.4997.

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

16.6028, 0.2722, 0.4997

Protanopia

16.4757, 0.3982, 0.4337

Deuteranopia

16.4016, 0.4043, 0.3990



Tritanopia

16.5375, 0.2344, 0.3069

Trichromacy



Original Color

16.6028, 0.2722, 0.4997



Protanomaly

15.4647, 0.3286, 0.4687



Deuteranomaly

14.9344, 0.3308, 0.4404



Tritanomaly

16.3115, 0.2455, 0.3720

Monochromacy



Original Color

16.6028, 0.2722, 0.4997



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 16.6028, 0.2722, 0.4997 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 64) }
```

Border

The CSS property to change the border of an element to Yxy 16.6028, 0.2722, 0.4997 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, 64) }
```

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

```
.border{ border-color:rgb(0, 131, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6028, 0.2722, 0.4997 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, 64) }
```

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

```
.background{ background-color: rgb(0, 131,  
64) }
```

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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