

Converting Colors

$Yxy(16.2568, 0.1901, 0.4830)$

Have a look what the booklet for
Yxy(16.2568, 0.1901, 0.4830)
contains.

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Color

$\text{Yxy}(18.2329, 0.2607, 0.4586)$

Conversions

Conversions Part 1

Format	Color
Hex	008853
RGB	0, 136, 83
RGB Percent	0%, 53%, 33%
CMY	1.0000, 0.4666, 0.6744
CMYK	1.00, 0.00, 0.39, 0.47
HSL	157°, 100%, 27%
HSV	157°, 100%, 53%
XYZ	10.3648, 18.2329, 11.1600
YIQ	89.2940, -64.0430, -45.3150

Conversions

Conversions Part 2

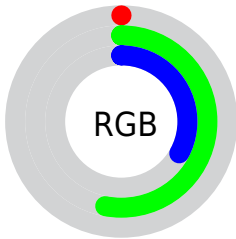
Format	Color
RYB	0, 84, 136
Decimal	34899
CIELab	49.78, -44.64, 19.81
CIELCh	50, 48.843, 156.070
Yxy	18.2329, 0.2607, 0.4586
Android (android.graphics.Color)	4278224979 (0xFF008853)
YUV	89.2940, -3.1029, -78.3108
Hunter-Lab	42.7000, -31.3966, 14.3941

Details

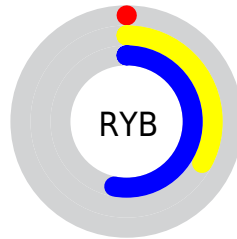
The Yxy color **18.2329, 0.2607, 0.4586** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.4915, 0.5359, 0.2726**, and the grayscale version is **10.0773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2697, 0.2744, 0.4243**, and **6.6306, 0.2744, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **18.2344, 0.2607, 0.4586**, and if you desaturate by 10%, it is **18.4096, 0.2594, 0.4441**.

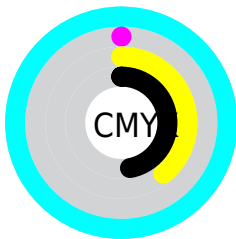
Distribution



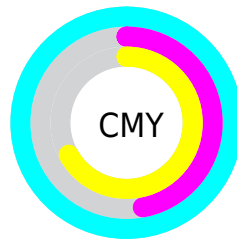
- Red (0%)
- Green (53%)
- Blue (33%)



- Red (0%)
- Yellow (33%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2329, 0.2607, 0.4586 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 18.2329, 0.2607, 0.4586 by changing the saturation by 10% instead.


 18.2329, 0.2607,
0.4586


 18.2329, 0.2607,
0.4586


242.1805, 0.2931,
0.3790


 11.1173, 0.2494,
0.4859


 40.4338, 0.2745,
0.4249


 6.1458, 0.2320,
0.5269

 56.2879, 0.2790,
0.4139

 2.9339, 0.2027,
0.5947

 75.8236, 0.2826,
0.4050

 1.0973, 0.0000,
1.0000

 99.4254, 0.2855,
0.3979

 0.0000, 0.0000,
0.0000

 127.4775, 0.2879,
0.3920

 160.3645, 0.2899,

0.3870

198.4707, 0.2916,
0.3827

■ 18.2329, 0.2607,
0.4586

■ 18.2329, 0.2607,
0.4586

■ 18.2344, 0.2607,
0.4586

■ 18.4096, 0.2594,
0.4441

■ 18.6466, 0.2595,
0.4295

■ 18.9761, 0.2614,
0.4148

■ 19.4088, 0.2652,
0.4003

■ 19.9538, 0.2706,
0.3863

■ 20.6191, 0.2773,
0.3729

■ 21.4121, 0.2852,
0.3605

■ 22.3395, 0.2939,
0.3490

■ 23.4075, 0.3032,
0.3385

Harmonies

Analogous

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



18.2329, 0.3463, 0.5022



18.2329, 0.2607, 0.4586



18.2329, 0.1942, 0.3590

Triad

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



18.2329, 0.2607, 0.4586



18.2329, 0.1939, 0.1932



18.2329, 0.4917, 0.3499

Complementary

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



18.2329, 0.2607, 0.4586



5.4915, 0.5359, 0.2726

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.



18.2329, 0.4396, 0.2878



18.2329, 0.2607, 0.4586



18.2329, 0.2572, 0.2025

Square

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



18.2329, 0.2607, 0.4586



18.2329, 0.1623, 0.2122



18.2329, 0.3477, 0.2359



18.2329, 0.4836, 0.4155

Rectangle

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



18.2329, 0.2607, 0.4586



18.2329, 0.1686, 0.2936



18.2329, 0.3477, 0.2359



18.2329, 0.4808, 0.3285

Sweetspot

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



18.2344, 0.2607, 0.4586



37.6337, 0.2847, 0.3613



18.4050, 0.3258, 0.5795



8.5919, 0.2817, 0.3658



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.2344, 0.2607, 0.4586



32.1011, 0.2615, 0.4616



15.7962, 0.2161, 0.2981



5.6561, 0.3040, 0.3377



17.2589, 0.2606, 0.4583



0.1175, 0.2428, 0.3941

Inverse Universe

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



5.4915, 0.5359, 0.2726



9.6484, 0.5412, 0.2755



5.5381, 0.6296, 0.3383



5.0788, 0.3224, 0.3205



5.1989, 0.5353, 0.2723



0.0373, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 18.2329, 0.2607, 0.4586 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 18.2329, 0.2607, 0.4586 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 18.2329, 0.2607, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 18.2329, 0.2607, 0.4586.



This preview shows how white text looks on a background with the Yxy color 18.2329, 0.2607, 0.4586.

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

18.2329, 0.2607, 0.4586

Protanopia

18.0679, 0.3775, 0.4088

Deuteranopia

18.0038, 0.3811, 0.3746



Tritanopia

18.2469, 0.2320, 0.3056

Trichromacy



Original Color

18.2329, 0.2607, 0.4586



Protanomaly

16.9811, 0.3100, 0.4337



Deuteranomaly

16.4213, 0.3114, 0.4077



Tritanomaly

18.1257, 0.2401, 0.3583

Monochromacy



Original Color

18.2329, 0.2607, 0.4586



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

11.8660, 0.2737, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2329, 0.2607, 0.4586 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, 136, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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(0, 136, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 83) }
```

Border

The CSS property to change the border of an element to Yxy 18.2329, 0.2607, 0.4586 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, 136, 83) }
```

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

```
.border{ border-color:rgb(0, 136, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2329, 0.2607, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 83) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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