

Converting Colors

$Yxy(17.0424, 0.2346, 0.5276)$

Have a look what the booklet for
Yxy(17.0424, 0.2346, 0.5276)
contains.

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Color

Yxy(18.2615, 0.2743, 0.5074)

Conversions

Conversions Part 1

Format	Color
Hex	008940
RGB	0, 137, 64
RGB Percent	0%, 54%, 25%
CMY	0.9996, 0.4627, 0.7490
CMYK	1.00, 0.00, 0.53, 0.46
HSL	148°, 100%, 27%
HSV	148°, 100%, 54%
XYZ	9.8722, 18.2615, 7.8567
YIQ	87.7150, -58.2190, -51.7470

Conversions

Conversions Part 2

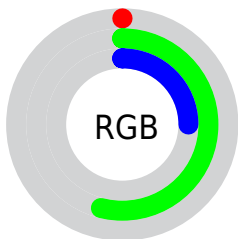
Format	Color
RYB	0, 93, 137
Decimal	35136
CIELab	49.81, -48.64, 30.20
CIELCh	50, 57.254, 148.160
Yxy	18.2615, 0.2743, 0.5074
Android (android.graphics.Color)	4278225216 (0xFF008940)
YUV	87.7150, -11.6915, -76.9261
Hunter-Lab	42.7335, -33.5471, 19.0128

Details

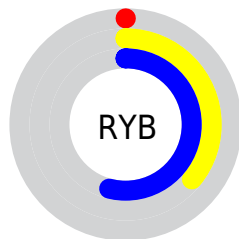
The Yxy color **18.2615, 0.2743, 0.5074** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.8024, 0.4770, 0.2402**, and the grayscale version is **9.7355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6854, 0.2872, 0.4616**, and **6.5375, 0.2912, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **18.2611, 0.2743, 0.5075**, and if you desaturate by 10%, it is **18.4420, 0.2721, 0.4886**.

Distribution



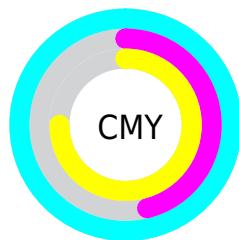
- Red (0%)
- Green (54%)
- Blue (25%)



- Red (0%)
- Yellow (36%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2615, 0.2743, 0.5074 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 18.2615, 0.2743, 0.5074 by changing the saturation by 10% instead.


 18.2615, 0.2743,
0.5074


 18.2615, 0.2743,
0.5074


242.3409, 0.3010,
0.3968


 11.1379, 0.2631,
0.5452


 40.4824, 0.2867,
0.4605


 6.1597, 0.2446,
0.6012

 56.3485, 0.2905,
0.4451

 2.9424, 0.2182,
0.7146

 75.8976, 0.2933,
0.4328

 1.1017, 0.0000,
1.0000

 99.5139, 0.2955,
0.4229

 0.0000, 0.0000,
0.0000

 127.5821, 0.2973,
0.4147

 160.4864, 0.2988,

0.4078

198.6112, 0.3000,
0.4019

■ 18.2615, 0.2743,
0.5074

■ 18.2615, 0.2743,
0.5074

■ 18.2611, 0.2743,
0.5075

■ 18.4420, 0.2721,
0.4886

■ 18.6901, 0.2711,
0.4689

■ 19.0374, 0.2720,
0.4486

■ 19.4948, 0.2747,
0.4284

■ 20.0721, 0.2789,
0.4087

■ 20.7774, 0.2843,
0.3900

■ 21.6186, 0.2907,
0.3725

■ 22.6027, 0.2977,
0.3565

■ 23.7361, 0.3052,
0.3420

Harmonies

Analogous

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



18.2615, 0.3724, 0.5290



18.2615, 0.2743, 0.5074



18.2615, 0.1918, 0.3968

Triad

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



18.2615, 0.2743, 0.5074



18.2615, 0.1653, 0.1773



18.2615, 0.5119, 0.3295

Complementary

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



18.2615, 0.2743, 0.5074



5.8024, 0.4770, 0.2402

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.



18.2615, 0.4350, 0.2637



18.2615, 0.2743, 0.5074



18.2615, 0.2257, 0.1807

Square

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



18.2615, 0.2743, 0.5074



18.2615, 0.1397, 0.2061



18.2615, 0.3225, 0.2110



18.2615, 0.5170, 0.4015

Rectangle

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



18.2615, 0.2743, 0.5074



18.2615, 0.1573, 0.3135



18.2615, 0.3225, 0.2110



18.2615, 0.4934, 0.3067

Sweetspot

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



18.2622, 0.2743, 0.5074



38.5968, 0.2902, 0.3737



19.3123, 0.3429, 0.5659



8.5293, 0.2878, 0.3800



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.



18.2622, 0.2743, 0.5074



32.6699, 0.2754, 0.5113



19.5698, 0.2274, 0.3387



5.6446, 0.3057, 0.3409



17.0126, 0.2742, 0.5070



0.1159, 0.2520, 0.4270

Inverse Universe

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



5.8024, 0.4770, 0.2402



10.3534, 0.4814, 0.2426



5.3305, 0.6349, 0.3272



5.0902, 0.3203, 0.3174



5.4050, 0.4766, 0.2399



0.0389, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 18.2615, 0.2743, 0.5074 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 18.2615, 0.2743, 0.5074 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 18.2615, 0.2743, 0.5074

Background



This preview shows how black text looks on a background with the Yxy color 18.2615, 0.2743, 0.5074.



This preview shows how white text looks on a background with the Yxy color 18.2615, 0.2743, 0.5074.

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

18.2615, 0.2743, 0.5074

Protanopia

18.0876, 0.4019, 0.4379

Deuteranopia

18.0921, 0.4098, 0.4043



Tritanopia

18.3215, 0.2348, 0.3078

Trichromacy



Original Color

18.2615, 0.2743, 0.5074



Protanomaly

16.8325, 0.3305, 0.4748



Deuteranomaly

16.5606, 0.3339, 0.4489



Tritanomaly

18.0125, 0.2464, 0.3750

Monochromacy



Original Color

18.2615, 0.2743, 0.5074



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.7133, 0.2813, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2615, 0.2743, 0.5074 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, 137, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 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, 137, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 64) }
```

Border

The CSS property to change the border of an element to Yxy 18.2615, 0.2743, 0.5074 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, 137, 64) }
```

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

```
.border{ border-color:rgb(0, 137, 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, 137, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2615, 0.2743, 0.5074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 64) }
```

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

```
.background{ background-color: rgb(0, 137,  
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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