

Converting Colors

$Y_{xy}(18.1426, 0.2749, 0.4949)$

Have a look what the booklet for
Yxy(18.1426, 0.2749, 0.4949)
contains.

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Color

Yxy(18.1448, 0.2749, 0.4949)

Conversions

Conversions Part 1

Format	Color
Hex	118844
RGB	17, 136, 68
RGB Percent	7%, 53%, 27%
CMY	0.9333, 0.4667, 0.7333
CMYK	0.87, 0.00, 0.50, 0.47
HSL	146°, 78%, 30%
HSV	146°, 87%, 53%
XYZ	10.0788, 18.1448, 8.4400
YIQ	92.6670, -49.0960, -46.3760

Conversions

Conversions Part 2

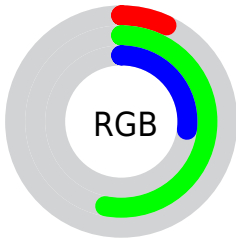
Format	Color
RYB	17, 100, 136
Decimal	1148996
CIELab	49.67, -46.40, 27.95
CIELCh	50, 54.172, 148.938
Yxy	18.1448, 0.2749, 0.4949
Android (android.graphics.Color)	4279339076 (0xFF118844)
YUV	92.6670, -12.1608, -66.3600
Hunter-Lab	42.5967, -32.3093, 18.0702

Details

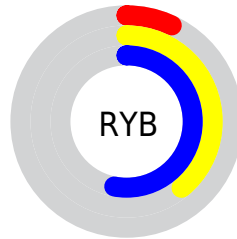
The Yxy color **18.1448, 0.2749, 0.4949** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.2917, 0.4367, 0.2291**, and the grayscale version is **10.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0897, 0.2868, 0.4516**, and **6.5549, 0.2877, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **17.9596, 0.2771, 0.5147**, and if you desaturate by 10%, it is **18.4129, 0.2742, 0.4739**.

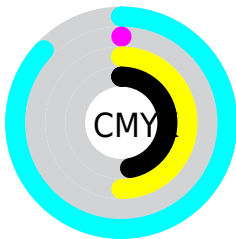
Distribution



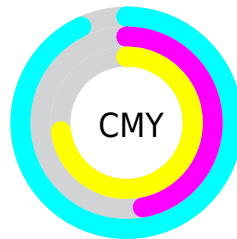
- Red (7%)
- Green (53%)
- Blue (27%)



- Red (7%)
- Yellow (39%)
- Blue (53%)



- Cyan (87%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)




- Cyan (93%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1448, 0.2749, 0.4949 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 18.1448, 0.2749, 0.4949 by changing the saturation by 10% instead.


 18.1448, 0.2749,
0.4949


 18.1448, 0.2749,
0.4949


241.6859, 0.3007,
0.3922


 11.0540, 0.2644,
0.5301


 40.2839, 0.2867,
0.4513


 6.1032, 0.2472,
0.5826

 56.1010, 0.2903,
0.4370


 2.9079, 0.2205,
0.6817

 75.5956, 0.2931,
0.4257

 1.0838, 0.0000,
1.0000

 99.1522, 0.2953,
0.4165

 0.0000, 0.0000,
0.0000

 127.1552, 0.2970,
0.4088

 159.9888, 0.2985,

0.4024

198.0376, 0.2997,
0.3970

■ 18.1448, 0.2749,
0.4949

■ 18.1448, 0.2749,
0.4949

■ 17.9596, 0.2771,
0.5147

■ 18.4129, 0.2742,
0.4739

■ 17.9172, 0.2777,
0.5195

■ 18.7821, 0.2753,
0.4522

■ 19.2637, 0.2781,
0.4306

■ 19.8667, 0.2823,
0.4096

■ 20.5994, 0.2876,
0.3898

■ 21.4692, 0.2937,
0.3714

■ 22.4829, 0.3004,
0.3545

■ 23.6469, 0.3074,
0.3393

■ 24.9671, 0.3145,
0.3257

Harmonies

Analogous

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



18.1448, 0.3691, 0.5198



18.1448, 0.2749, 0.4949



18.1448, 0.1961, 0.3902

Triad

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



18.1448, 0.2749, 0.4949



18.1448, 0.1723, 0.1832



18.1448, 0.5030, 0.3326

Complementary

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



18.1448, 0.2749, 0.4949



6.2917, 0.4367, 0.2291

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.



18.1448, 0.4314, 0.2684



18.1448, 0.2749, 0.4949



18.1448, 0.2318, 0.1870

Square

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



18.1448, 0.2749, 0.4949



18.1448, 0.1466, 0.2107



18.1448, 0.3252, 0.2169



18.1448, 0.5074, 0.4025

Rectangle

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



18.1448, 0.2749, 0.4949



18.1448, 0.1631, 0.3124



18.1448, 0.3252, 0.2169



18.1448, 0.4859, 0.3104

Sweetspot

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



18.1455, 0.2749, 0.4949



37.9887, 0.2943, 0.3697



19.6479, 0.3543, 0.5446



8.6840, 0.2924, 0.3751



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.



18.1455, 0.2749, 0.4949



31.5445, 0.2787, 0.5233



19.2367, 0.2335, 0.3507



5.6415, 0.3062, 0.3418



16.9594, 0.2775, 0.5191



0.1155, 0.2547, 0.4370

Inverse Universe

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



6.2917, 0.4367, 0.2291



10.1551, 0.4652, 0.2336



5.7145, 0.5913, 0.3202



5.0933, 0.3198, 0.3166



5.4728, 0.4610, 0.2313



0.0393, 0.3871, 0.1906

Previews

White Background



This preview shows how the Yxy color 18.1448, 0.2749, 0.4949 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 18.1448, 0.2749, 0.4949 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 18.1448, 0.2749, 0.4949

Background



This preview shows how black text looks on a background with the Yxy color 18.1448, 0.2749, 0.4949.



This preview shows how white text looks on a background with the Yxy color 18.1448, 0.2749, 0.4949.

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

18.1448, 0.2749, 0.4949

Protanopia

18.0505, 0.3963, 0.4321

Deuteranopia

17.8335, 0.4043, 0.3965



Tritanopia

18.0867, 0.2349, 0.3057

Trichromacy



Original Color

18.1448, 0.2749, 0.4949



Protanomaly

17.1612, 0.3341, 0.4632



Deuteranomaly

16.6840, 0.3379, 0.4357



Tritanomaly

17.8963, 0.2484, 0.3701

Monochromacy



Original Color

18.1448, 0.2749, 0.4949



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.7012, 0.2863, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1448, 0.2749, 0.4949 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(17, 136, 68)` looks like.

```
.text, #text, p{  
    color:rgb(17, 136, 68)  
}
```

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(17, 136, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 136, 68) }
```

Border

The CSS property to change the border of an element to Yxy 18.1448, 0.2749, 0.4949 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(17, 136, 68) }
```

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

```
.border{ border-color:rgb(17, 136, 68) }
```

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

Here you see how a box with a 4 pixel rgb(17, 136, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 136, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 136, 68);  
box-shadow:4px 4px 4px 4px rgb(17, 136,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1448, 0.2749, 0.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 136, 68) }
```

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

```
.background{ background-color: rgb(17, 136,  
68) }
```

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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