

Converting Colors

$Y_{xy}(19.2940, 0.2717, 0.4908)$

Have a look what the booklet for
Yxy(19.2940, 0.2717, 0.4908)
contains.

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Color

Yxy(19.2886, 0.2719, 0.4914)

Conversions

Conversions Part 1

Format	Color
Hex	0A8C48
RGB	10, 140, 72
RGB Percent	4%, 55%, 28%
CMY	0.9608, 0.4510, 0.7176
CMYK	0.93, 0.00, 0.49, 0.45
HSL	149°, 87%, 29%
HSV	149°, 93%, 55%
XYZ	10.6727, 19.2886, 9.2910
YIQ	93.3780, -55.6520, -48.7080

Conversions

Conversions Part 2

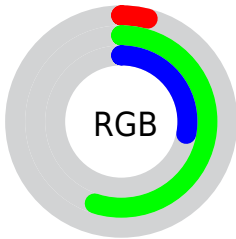
Format	Color
RYB	10, 98, 140
Decimal	691272
CIELab	51.02, -47.67, 27.51
CIELCh	51, 55.038, 150.015
Yxy	19.2886, 0.2719, 0.4914
Android (android.graphics.Color)	4278881352 (0xFF0A8C48)
YUV	93.3780, -10.5394, -73.1225
Hunter-Lab	43.9188, -33.4806, 18.2003

Details

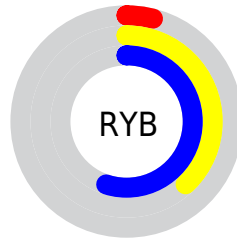
The Yxy color **19.2886, 0.2719, 0.4914** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.3423, 0.4655, 0.2400**, and the grayscale version is **11.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3666, 0.2839, 0.4492**, and **7.0540, 0.2855, 0.5479** is the 20% darker color. If you saturate the color by 10%, you get **19.1597, 0.2735, 0.5046**, and if you desaturate by 10%, it is **19.5203, 0.2704, 0.4722**.

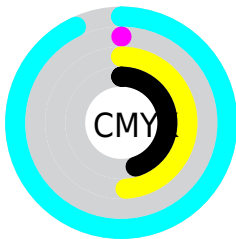
Distribution



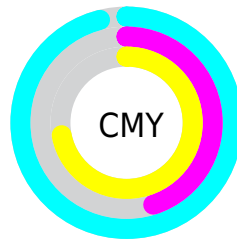
- Red (4%)
- Green (55%)
- Blue (28%)



- Red (4%)
- Yellow (38%)
- Blue (55%)



- Cyan (93%)
- Magenta (0%)
- Yellow (49%)
- Black (45%)





- Cyan (96%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2886, 0.2719, 0.4914 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 19.2886, 0.2719, 0.4914 by changing the saturation by 10% instead.


 19.2886, 0.2719,
0.4914


 19.2886, 0.2719,
0.4914


248.0374, 0.2990,
0.3917


 11.8790, 0.2614,
0.5251


 42.2212, 0.2841,
0.4494


 6.6613, 0.2445,
0.5750


 58.5130, 0.2879,
0.4355


 3.2512, 0.2163,
0.6597

 78.5343, 0.2908,
0.4244

 1.2643, 0.0000,
1.0000

 102.6695, 0.2932,
0.4154

 0.1133, 0.0000,
1.0000

 131.3030, 0.2950,
0.4080

 0.0000, 0.0000,
0.0000

 164.8193, 0.2966,

0.4017

203.6026, 0.2979,
0.3963

■ 19.2886, 0.2719,
0.4914

■ 19.2886, 0.2719,
0.4914

■ 19.1597, 0.2735,
0.5046

■ 19.5203, 0.2704,
0.4722

■ 19.8512, 0.2708,
0.4524

■ 20.2943, 0.2730,
0.4324

■ 20.8601, 0.2769,
0.4129

■ 21.5577, 0.2820,
0.3942

■ 22.3955, 0.2883,
0.3766

■ 23.3809, 0.2953,
0.3605

■ 24.5210, 0.3028,
0.3458

■ 25.8224, 0.3105,
0.3325

Harmonies

Analogous

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



19.2886, 0.3657, 0.5196



19.2886, 0.2719, 0.4914



19.2886, 0.1944, 0.3856

Triad

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



19.2886, 0.2719, 0.4914



19.2886, 0.1743, 0.1834



19.2886, 0.5036, 0.3351

Complementary

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



19.2886, 0.2719, 0.4914



6.3423, 0.4655, 0.2400

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.



19.2886, 0.4344, 0.2708



19.2886, 0.2719, 0.4914



19.2886, 0.2349, 0.1881

Square

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



19.2886, 0.2719, 0.4914



19.2886, 0.1475, 0.2095



19.2886, 0.3289, 0.2189



19.2886, 0.5056, 0.4050

Rectangle

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



19.2886, 0.2719, 0.4914



19.2886, 0.1624, 0.3088



19.2886, 0.3289, 0.2189



19.2886, 0.4874, 0.3129

Sweetspot

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



19.2894, 0.2719, 0.4914



40.1931, 0.2912, 0.3696



20.4553, 0.3456, 0.5573



9.1133, 0.2886, 0.3759



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.2894, 0.2719, 0.4914



33.7457, 0.2745, 0.5082



20.5897, 0.2285, 0.3380



5.6454, 0.3056, 0.3407



17.0274, 0.2733, 0.5037



0.1160, 0.2513, 0.4245

Inverse Universe

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



6.3423, 0.4655, 0.2400



10.6505, 0.4859, 0.2450



5.8250, 0.6182, 0.3272



5.0894, 0.3205, 0.3176



5.3881, 0.4807, 0.2422



0.0388, 0.3979, 0.1966

Previews

White Background



This preview shows how the Yxy color 19.2886, 0.2719, 0.4914 looks on a white 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

Black Background



This preview shows how the Yxy color 19.2886, 0.2719, 0.4914 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 19.2886, 0.2719, 0.4914

Background



This preview shows how black text looks on a background with the Yxy color 19.2886, 0.2719, 0.4914.



This preview shows how white text looks on a background with the Yxy color 19.2886, 0.2719, 0.4914.

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

19.2886, 0.2719, 0.4914

Protanopia

19.0429, 0.3946, 0.4302

Deuteranopia

18.8313, 0.4009, 0.3936



Tritanopia

19.2700, 0.2341, 0.3062

Trichromacy



Original Color

19.2886, 0.2719, 0.4914



Protanomaly

17.9304, 0.3281, 0.4601



Deuteranomaly

17.4239, 0.3313, 0.4328



Tritanomaly

19.0244, 0.2459, 0.3692

Monochromacy



Original Color

19.2886, 0.2719, 0.4914



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.8645, 0.2832, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2886, 0.2719, 0.4914 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(10, 140, 72)` looks like.

```
.text, #text, p{  
    color:rgb(10, 140, 72)  
}
```

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(10, 140, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 140, 72) }
```

Border

The CSS property to change the border of an element to Yxy 19.2886, 0.2719, 0.4914 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(10, 140, 72) }
```

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

```
.border{ border-color:rgb(10, 140, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 140, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 140, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 140, 72);  
box-shadow:4px 4px 4px 4px rgb(10, 140,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2886, 0.2719, 0.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 140, 72) }
```

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

```
.background{ background-color: rgb(10, 140,  
72) }
```

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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