

Converting Colors

$Y_{xy}(20.0868, 0.3126, 0.4905)$

Have a look what the booklet for
Yxy(20.0868, 0.3126, 0.4905)
contains.

Yxy(19.9636, 0.3131, 0.4898)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.9636, 0.3131, 0.4898)

Conversions

Conversions Part 1

Format	Color
Hex	498A40
RGB	73, 138, 64
RGB Percent	29%, 54%, 25%
CMY	0.7137, 0.4588, 0.7490
CMYK	0.47, 0.00, 0.54, 0.46
HSL	113°, 37%, 40%
HSV	113°, 54%, 54%
XYZ	12.7615, 19.9636, 8.0335
YIQ	110.1290, -14.9860, -36.7940

Conversions

Conversions Part 2

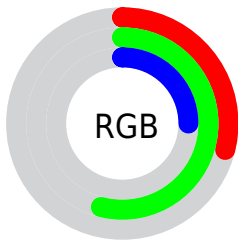
Format	Color
R _Y B	64, 138, 129
Decimal	4819520
CIE Lab	51.80, -36.19, 33.01
CIE LCh	52, 48.983, 137.638
Yxy	19.9636, 0.3131, 0.4898
Android (android.graphics.Color)	4283009600 (0xFF498A40)
YUV	110.1290, -22.7416, -32.5621
Hunter-Lab	44.6806, -27.2085, 20.6162

Details

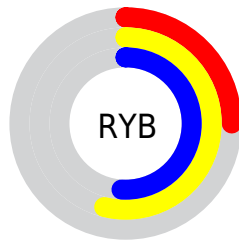
The Yxy color **19.9636, 0.3131, 0.4898** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.1730, 0.3044, 0.2001**, and the grayscale version is **15.7021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3498, 0.3159, 0.4491**, and **6.9554, 0.3009, 0.5659** is the 20% darker color. If you saturate the color by 10%, you get **19.3979, 0.3118, 0.5220**, and if you desaturate by 10%, it is **20.6622, 0.3139, 0.4562**.

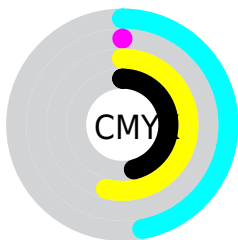
Distribution



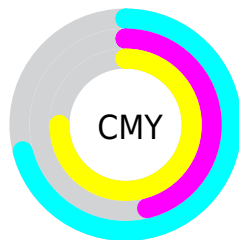
- Red (29%)
- Green (54%)
- Blue (25%)



- Red (25%)
- Yellow (54%)
- Blue (51%)



- Cyan (47%)
- Magenta (0%)
- Yellow (54%)
- Black (46%)




- Cyan (71%)
- Magenta (46%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9636, 0.3131, 0.4898 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 19.9636, 0.3131, 0.4898 by changing the saturation by 10% instead.


 19.9636, 0.3131,
0.4898


 19.9636, 0.3131,
0.4898

251.7180, 0.3169,
0.3929


 12.3686, 0.3092,
0.5211


 43.3561, 0.3162,
0.4497


 6.9952, 0.3013,
0.5659


 59.9225, 0.3167,
0.4362

 3.4591, 0.2905,
0.6495

 80.2480, 0.3170,
0.4254

 1.3759, 0.2063,
0.7937

 104.7172, 0.3171,
0.4165

 0.1988, 0.0000,
1.0000

 133.7144, 0.3171,
0.4091

 0.0000, 0.0000,
0.0000

 167.6240, 0.3171,

0.4029

206.8304, 0.3170,
0.3975

■ 19.9636, 0.3131,
0.4898

■ 19.9636, 0.3131,
0.4898

■ 19.3979, 0.3118,
0.5220

■ 20.6622, 0.3139,
0.4562

■ 18.9544, 0.3099,
0.5507

■ 21.4988, 0.3141,
0.4232

■ 18.6244, 0.3076,
0.5735

■ 22.4812, 0.3140,
0.3919

■ 18.3974, 0.3051,
0.5892

■ 23.6160, 0.3136,
0.3633

■ 18.2947, 0.3039,
0.5969

■ 24.9093, 0.3130,
0.3376

■ 26.3668, 0.3122,
0.3148

■ 27.9941, 0.3114,
0.2948

■ 29.7965, 0.3105,
0.2774

■ 31.7788, 0.3096,
0.2623

Harmonies

Analogous

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



19.9636, 0.3968, 0.4881



19.9636, 0.3131, 0.4898



19.9636, 0.2338, 0.4207

Triad

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



19.9636, 0.3131, 0.4898



19.9636, 0.1738, 0.2041



19.9636, 0.4623, 0.3118

Complementary

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



19.9636, 0.3131, 0.4898



10.1730, 0.3044, 0.2001

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.



19.9636, 0.3834, 0.2560



19.9636, 0.3131, 0.4898



19.9636, 0.2168, 0.1966

Square

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



19.9636, 0.3131, 0.4898



19.9636, 0.1614, 0.2434



19.9636, 0.2904, 0.2153



19.9636, 0.4910, 0.3747

Rectangle

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



19.9636, 0.3131, 0.4898



19.9636, 0.1946, 0.3531



19.9636, 0.2904, 0.2153



19.9636, 0.4402, 0.2920

Sweetspot

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



19.9644, 0.3131, 0.4898



41.0520, 0.3137, 0.3708



21.2484, 0.3961, 0.4396



9.1279, 0.3138, 0.3757



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.



19.9644, 0.3131, 0.4898



34.0381, 0.3115, 0.5274



20.0263, 0.2833, 0.4332



5.6354, 0.3133, 0.3514



16.7767, 0.3041, 0.5968



0.1147, 0.3209, 0.5834

Inverse Universe

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



10.1730, 0.3044, 0.2001



14.8914, 0.3014, 0.1769



10.2172, 0.3651, 0.2458



5.0987, 0.3119, 0.3073



5.4306, 0.2913, 0.1378



0.0401, 0.3068, 0.1464

Previews

White Background



This preview shows how the Yxy color 19.9636, 0.3131, 0.4898 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 19.9636, 0.3131, 0.4898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

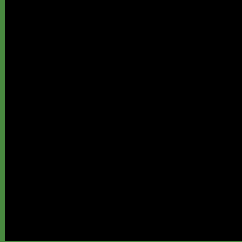
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9636, 0.3131, 0.4898

Background



This preview shows how black text looks on a background with the Yxy color 19.9636, 0.3131, 0.4898.



This preview shows how white text looks on a background with the Yxy color 19.9636, 0.3131, 0.4898.

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

19.9636, 0.3131, 0.4898

Protanopia

19.7159, 0.4029, 0.4407

Deuteranopia

19.6363, 0.4168, 0.4090



Tritanopia

19.9334, 0.2597, 0.3093

Trichromacy



Original Color

19.9636, 0.3131, 0.4898

Protanomaly

19.2860, 0.3661, 0.4594

Deuteranomaly

19.2101, 0.3743, 0.4392

Tritanomaly

19.7839, 0.2806, 0.3731

Monochromacy



Original Color

19.9636, 0.3131, 0.4898

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.7646, 0.3149, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9636, 0.3131, 0.4898 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(73, 138, 64)` looks like.

```
.text, #text, p{  
    color:rgb(73, 138, 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(73, 138, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 138, 64) }
```

Border

The CSS property to change the border of an element to Yxy 19.9636, 0.3131, 0.4898 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(73, 138, 64) }
```

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

```
.border{ border-color:rgb(73, 138, 64) }
```

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

Here you see how a box with a 4 pixel rgb(73, 138, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 138, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 138, 64);  
box-shadow:4px 4px 4px 4px rgb(73, 138,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9636, 0.3131, 0.4898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 138, 64) }
```

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

```
.background{ background-color: rgb(73, 138,  
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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