

Converting Colors

$Yxy(19.9824, 0.3043, 0.4905)$

Have a look what the booklet for
Yxy(19.9824, 0.3043, 0.4905)
contains.

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Color

Yxy(19.9824, 0.3043, 0.4905)

Conversions

Conversions Part 1

Format	Color
Hex	418B42
RGB	65, 139, 66
RGB Percent	25%, 55%, 26%
CMY	0.7450, 0.4549, 0.7411
CMYK	0.53, 0.00, 0.53, 0.45
HSL	121°, 36%, 40%
HSV	121°, 53%, 55%
XYZ	12.3968, 19.9824, 8.3596
YIQ	108.5520, -20.6710, -38.3910

Conversions

Conversions Part 2

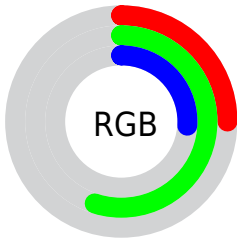
Format	Color
RYB	65, 138, 139
Decimal	4295490
CIELab	51.82, -38.75, 31.92
CIELCh	52, 50.204, 140.517
Yxy	19.9824, 0.3043, 0.4905
Android (android.graphics.Color)	4282485570 (0xFF418B42)
YUV	108.5520, -20.9781, -38.1951
Hunter-Lab	44.7017, -28.7257, 20.2034

Details

The Yxy color **19.9824, 0.3043, 0.4905** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.1061, 0.3200, 0.2075**, and the grayscale version is **15.2258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3228, 0.3092, 0.4491**, and **7.0231, 0.2912, 0.5682** is the 20% darker color. If you saturate the color by 10%, you get **19.4229, 0.3027, 0.5236**, and if you desaturate by 10%, it is **20.6991, 0.3060, 0.4561**.

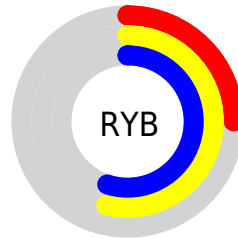
Distribution



Red (25%)

Green (55%)

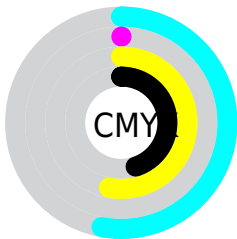
Blue (26%)



Red (25%)

Yellow (54%)

Blue (55%)

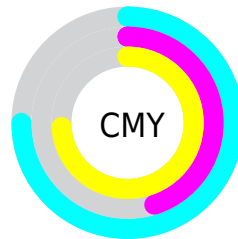


Cyan (53%)

Magenta (0%)

Yellow (53%)

Black (45%)



Cyan (75%)

Magenta (45%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9824, 0.3043, 0.4905 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 19.9824, 0.3043, 0.4905 by changing the saturation by 10% instead.


 19.9824, 0.3043,
0.4905


 19.9824, 0.3043,
0.4905


251.8198, 0.3131,
0.3928


 12.3823, 0.2990,
0.5223


 43.3877, 0.3093,
0.4499


 7.0046, 0.2892,
0.5684

 59.9616, 0.3105,
0.4363


 3.4650, 0.2741,
0.6511

 80.2955, 0.3114,
0.4254

 1.3790, 0.1775,
0.8225

 104.7739, 0.3120,
0.4165

 0.2012, 0.0000,
1.0000

 133.7812, 0.3124,
0.4091

 0.0000, 0.0000,
0.0000

167.7016, 0.3127,

0.4028

206.9197, 0.3129,
0.3974

■ 19.9824, 0.3043,
0.4905

■ 19.9824, 0.3043,
0.4905

■ 19.4229, 0.3027,
0.5236

■ 20.6991, 0.3060,
0.4561

■ 19.0065, 0.3015,
0.5529

■ 21.5810, 0.3077,
0.4223

■ 18.7210, 0.3005,
0.5760

■ 22.6382, 0.3094,
0.3907

■ 18.5508, 0.3000,
0.5914

■ 23.8796, 0.3109,
0.3620

■ 18.4696, 0.2997,
0.5988

■ 25.3134, 0.3123,
0.3365

■ 26.9472, 0.3135,
0.3142

■ 28.7883, 0.3147,
0.2949

■ 30.8436, 0.3156,
0.2782

■ 33.1197, 0.3165,
0.2638

Harmonies

Analogous

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



19.9824, 0.3903, 0.4946



19.9824, 0.3043, 0.4905



19.9824, 0.2252, 0.4135

Triad

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



19.9824, 0.3043, 0.4905



19.9824, 0.1740, 0.1995



19.9824, 0.4714, 0.3170

Complementary

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



19.9824, 0.3043, 0.4905



11.1061, 0.3200, 0.2075

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.



19.9824, 0.3941, 0.2593



19.9824, 0.3043, 0.4905



19.9824, 0.2206, 0.1948

Square

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



19.9824, 0.3043, 0.4905



19.9824, 0.1584, 0.2358



19.9824, 0.2984, 0.2161



19.9824, 0.4946, 0.3813

Rectangle

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



19.9824, 0.3043, 0.4905



19.9824, 0.1875, 0.3435



19.9824, 0.2984, 0.2161



19.9824, 0.4504, 0.2967

Sweetspot

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



19.9832, 0.3043, 0.4905



42.0340, 0.3104, 0.3706



24.3363, 0.3875, 0.4526



9.5922, 0.3102, 0.3758



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.



19.9832, 0.3043, 0.4905



34.6002, 0.3024, 0.5304



20.5492, 0.2753, 0.4096



5.6093, 0.3115, 0.3512



16.6697, 0.2996, 0.5987



0.1109, 0.2980, 0.5927

Inverse Universe

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



11.1061, 0.3200, 0.2075



16.9051, 0.3215, 0.1864



10.2305, 0.3837, 0.2628



5.1278, 0.3139, 0.3077



6.5875, 0.3242, 0.1560



0.0439, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 19.9824, 0.3043, 0.4905 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 19.9824, 0.3043, 0.4905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

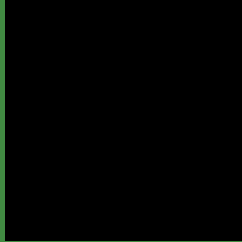
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9824, 0.3043, 0.4905

Background



This preview shows how black text looks on a background with the Yxy color 19.9824, 0.3043, 0.4905.



This preview shows how white text looks on a background with the Yxy color 19.9824, 0.3043, 0.4905.

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

19.9824, 0.3043, 0.4905

Protanopia

19.7371, 0.4010, 0.4378

Deuteranopia

19.5800, 0.4120, 0.4048



Tritanopia

19.9495, 0.2542, 0.3091

Trichromacy



Original Color

19.9824, 0.3043, 0.4905

Protanomaly

19.3744, 0.3597, 0.4592

Deuteranomaly

18.9610, 0.3659, 0.4360

Tritanomaly

19.8016, 0.2727, 0.3714

Monochromacy



Original Color

19.9824, 0.3043, 0.4905

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.5504, 0.3099, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9824, 0.3043, 0.4905 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(65, 139, 66)` looks like.

```
.text, #text, p{  
    color:rgb(65, 139, 66)  
}
```

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(65, 139, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 139, 66) }
```

Border

The CSS property to change the border of an element to Yxy 19.9824, 0.3043, 0.4905 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(65, 139, 66) }
```

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

```
.border{ border-color:rgb(65, 139, 66) }
```

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

Here you see how a box with a 4 pixel rgb(65, 139, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 139, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 139, 66);  
box-shadow:4px 4px 4px 4px rgb(65, 139,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9824, 0.3043, 0.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 139, 66) }
```

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

```
.background{ background-color: rgb(65, 139,  
66) }
```

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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