

Converting Colors

$Y_{xy}(19.8279, 0.3046, 0.5006)$

Have a look what the booklet for
Yxy(19.8279, 0.3046, 0.5006)
contains.

Yxy(19.8372, 0.3047, 0.5000)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8372, 0.3047, 0.5000)

Conversions

Conversions Part 1

Format	Color
Hex	3E8B3E
RGB	62, 139, 62
RGB Percent	24%, 55%, 24%
CMY	0.7568, 0.4549, 0.7569
CMYK	0.55, 0.00, 0.55, 0.45
HSL	120°, 38%, 39%
HSV	120°, 55%, 55%
XYZ	12.0888, 19.8372, 7.7484
YIQ	107.1990, -21.1750, -40.2710

Conversions

Conversions Part 2

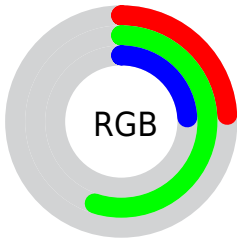
Format	Color
R_{YB}	62, 139, 139
Decimal	4098878
CIE _{Lab}	51.65, -40.16, 33.76
CIE _{LCh}	52, 52.464, 139.943
Yxy	19.8372, 0.3047, 0.5000
Android (android.graphics.Color)	4282288958 (0xFF3E8B3E)
YUV	107.1990, -22.2831, -39.6395
Hunter-Lab	44.5390, -29.4946, 20.8626

Details

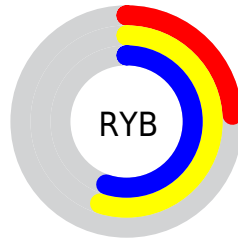
The Yxy color **19.8372, 0.3047, 0.5000** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.7975, 0.3187, 0.2020**, and the grayscale version is **14.8291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0228, 0.3096, 0.4562**, and **7.0085, 0.2940, 0.5784** is the 20% darker color. If you saturate the color by 10%, you get **19.3111, 0.3032, 0.5326**, and if you desaturate by 10%, it is **20.5189, 0.3063, 0.4654**.

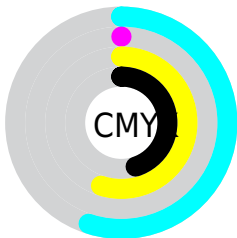
Distribution



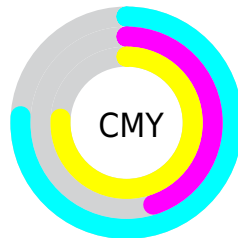
- Red (24%)
- Green (55%)
- Blue (24%)



- Red (24%)
- Yellow (55%)
- Blue (55%)



- Cyan (55%)
- Magenta (0%)
- Yellow (55%)
- Black (45%)




- Cyan (76%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8372, 0.3047, 0.5000 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 19.8372, 0.3047, 0.5000 by changing the saturation by 10% instead.


 19.8372, 0.3047,
0.5000

 19.8372, 0.3047,
0.5000


251.0324, 0.3138,
0.3963


 12.2768, 0.2990,
0.5337


 43.1441, 0.3100,
0.4569


 6.9325, 0.2882,
0.5823


 59.6593, 0.3113,
0.4425


 3.4199, 0.2741,
0.6765

 79.9282, 0.3122,
0.4309


 1.3547, 0.1536,
0.8464

 104.3353, 0.3128,
0.4215

 0.1830, 0.0000,
1.0000

 133.2648, 0.3132,
0.4136

 0.0000, 0.0000,
0.0000

 167.1013, 0.3134,

0.4069

206.2290, 0.3136,
0.4013

■ 19.8372, 0.3047,
0.5000

■ 19.8372, 0.3047,
0.5000

■ 19.3111, 0.3032,
0.5326

■ 20.5189, 0.3063,
0.4654

■ 18.9262, 0.3019,
0.5606

■ 21.3645, 0.3079,
0.4309

■ 18.6695, 0.3009,
0.5817

■ 22.3845, 0.3095,
0.3983

■ 18.5214, 0.3002,
0.5949

■ 23.5880, 0.3109,
0.3685

■ 18.4661, 0.3000,
0.6000

■ 24.9834, 0.3121,
0.3420

■ 26.5785, 0.3132,
0.3187

■ 28.3808, 0.3141,
0.2984

■ 30.3973, 0.3150,
0.2810

■ 32.6347, 0.3157,
0.2660

Harmonies

Analogous

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



19.8372, 0.3939, 0.5012



19.8372, 0.3047, 0.5000



19.8372, 0.2224, 0.4199

Triad

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



19.8372, 0.3047, 0.5000



19.8372, 0.1682, 0.1948



19.8372, 0.4777, 0.3145

Complementary

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



19.8372, 0.3047, 0.5000



10.7975, 0.3187, 0.2020

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.



19.8372, 0.3959, 0.2553



19.8372, 0.3047, 0.5000



19.8372, 0.2155, 0.1897

Square

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



19.8372, 0.3047, 0.5000



19.8372, 0.1527, 0.2324



19.8372, 0.2957, 0.2112



19.8372, 0.5025, 0.3806

Rectangle

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



19.8372, 0.3047, 0.5000



19.8372, 0.1831, 0.3458



19.8372, 0.2957, 0.2112



19.8372, 0.4554, 0.2937

Sweetspot

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



19.8380, 0.3047, 0.5000



41.7890, 0.3106, 0.3742



23.9334, 0.3910, 0.4551



9.5404, 0.3104, 0.3792



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.



19.8380, 0.3047, 0.5000



34.4213, 0.3029, 0.5388



20.3950, 0.2754, 0.4166



5.6083, 0.3117, 0.3515



16.6658, 0.3000, 0.6000



0.1107, 0.3000, 0.6000

Inverse Universe

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



10.7975, 0.3187, 0.2020



16.5638, 0.3196, 0.1819



9.8891, 0.3854, 0.2583



5.1290, 0.3137, 0.3074



6.6354, 0.3209, 0.1541



0.0441, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 19.8372, 0.3047, 0.5000 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 19.8372, 0.3047, 0.5000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

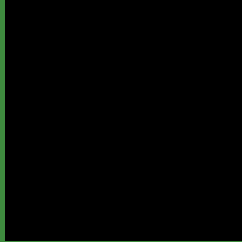
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8372, 0.3047, 0.5000

Background



This preview shows how black text looks on a background with the Yxy color 19.8372, 0.3047, 0.5000.



This preview shows how white text looks on a background with the Yxy color 19.8372, 0.3047, 0.5000.

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

19.8372, 0.3047, 0.5000

Protanopia

19.6956, 0.4049, 0.4436

Deuteranopia

19.5295, 0.4166, 0.4109



Tritanopia

19.8612, 0.2526, 0.3090

Trichromacy



Original Color

19.8372, 0.3047, 0.5000

Protanomaly

19.2675, 0.3620, 0.4667

Deuteranomaly

18.8425, 0.3686, 0.4438

Tritanomaly

19.6365, 0.2720, 0.3761

Monochromacy



Original Color

19.8372, 0.3047, 0.5000

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.1731, 0.3098, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8372, 0.3047, 0.5000 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(62, 139, 62)` looks like.

```
.text, #text, p{  
    color:rgb(62, 139, 62)  
}
```

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(62, 139, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 139, 62) }
```

Border

The CSS property to change the border of an element to Yxy 19.8372, 0.3047, 0.5000 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(62, 139, 62) }
```

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

```
.border{ border-color:rgb(62, 139, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 139, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 139, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 139, 62);  
box-shadow:4px 4px 4px 4px rgb(62, 139,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8372, 0.3047, 0.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 139, 62) }
```

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

```
.background{ background-color: rgb(62, 139,  
62) }
```

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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