

Converting Colors

$Yxy(19.6037, 0.2913, 0.5531)$

Have a look what the booklet for
Yxy(19.6037, 0.2913, 0.5531)
contains.

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Color

$Y_{xy}(19.6396, 0.2912, 0.5531)$

Conversions

Conversions Part 1

Format	Color
Hex	118E2B
RGB	17, 142, 43
RGB Percent	7%, 56%, 17%
CMY	0.9333, 0.4431, 0.8315
CMYK	0.88, 0.00, 0.70, 0.44
HSL	132°, 79%, 31%
HSV	132°, 88%, 56%
XYZ	10.3400, 19.6396, 5.5286
YIQ	93.3390, -42.7210, -57.2890

Conversions

Conversions Part 2

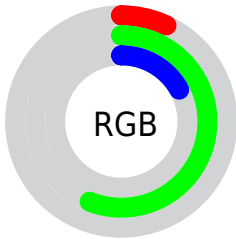
Format	Color
RYB	17, 120, 142
Decimal	1150507
CIELab	51.43, -51.95, 42.19
CIELCh	51, 66.924, 140.915
Yxy	19.6396, 0.2912, 0.5531
Android (android.graphics.Color)	4279340587 (0xFF118E2B)
YUV	93.3390, -24.8171, -66.9493
Hunter-Lab	44.3166, -35.9062, 23.6250

Details

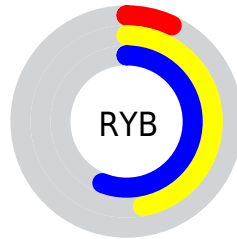
The Yxy color **19.6396, 0.2912, 0.5531** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.4144, 0.3709, 0.1895**, and the grayscale version is **11.0974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8645, 0.3020, 0.4958**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.4678, 0.2930, 0.5724**, and if you desaturate by 10%, it is **19.9100, 0.2902, 0.5294**.

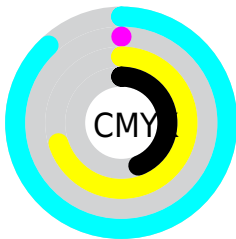
Distribution



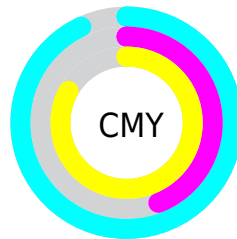
- Red (7%)
- Green (56%)
- Blue (17%)



- Red (7%)
- Yellow (47%)
- Blue (56%)



- Cyan (88%)
- Magenta (0%)
- Yellow (70%)
- Black (44%)




- Cyan (93%)
- Magenta (44%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6396, 0.2912, 0.5531 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 19.6396, 0.2912, 0.5531 by changing the saturation by 10% instead.


 19.6396, 0.2912,
0.5531

 19.6396, 0.2912,
0.5531


249.9573, 0.3113,
0.4159


 12.1333, 0.2800,
0.5971


 42.8121, 0.3022,
0.4961

 6.8346, 0.2600,
0.6592


 59.2472, 0.3050,
0.4769

 3.3588, 0.2285,
0.7715

 79.4273, 0.3070,
0.4616

 1.3218, 0.0000,
1.0000

 103.7368, 0.3084,
0.4490

 0.1580, 0.0000,
1.0000

 132.5602, 0.3095,
0.4386

 0.0000, 0.0000,
0.0000

 166.2818, 0.3102,

0.4299

205.2861, 0.3108,
0.4224

■ 19.6396, 0.2912,
0.5531

■ 19.6396, 0.2912,
0.5531

■ 19.4678, 0.2930,
0.5724

■ 19.9100, 0.2902,
0.5294

■ 19.4380, 0.2933,
0.5757

■ 20.3014, 0.2905,
0.5023

■ 20.8276, 0.2920,
0.4735

■ 21.4997, 0.2945,
0.4445

■ 22.3277, 0.2977,
0.4164

■ 23.3207, 0.3014,
0.3901

■ 24.4871, 0.3054,
0.3661

■ 25.8347, 0.3095,
0.3445

■ 27.3709, 0.3135,
0.3254

Harmonies

Analogous

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



19.6396, 0.3988, 0.5428



19.6396, 0.2912, 0.5531



19.6396, 0.1943, 0.4432

Triad

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



19.6396, 0.2912, 0.5531



19.6396, 0.1405, 0.1652



19.6396, 0.5245, 0.3076

Complementary

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



19.6396, 0.2912, 0.5531



7.4144, 0.3709, 0.1895

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.



19.6396, 0.4213, 0.2398



19.6396, 0.2912, 0.5531



19.6396, 0.1954, 0.1622

Square

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



19.6396, 0.2912, 0.5531



19.6396, 0.1214, 0.2044



19.6396, 0.2930, 0.1882



19.6396, 0.5465, 0.3829

Rectangle

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



19.6396, 0.2912, 0.5531



19.6396, 0.1506, 0.3418



19.6396, 0.2930, 0.1882



19.6396, 0.4974, 0.2839

Sweetspot

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



19.6404, 0.2912, 0.5531



41.4063, 0.3020, 0.3864



23.1697, 0.3855, 0.5220



9.1206, 0.3008, 0.3940



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.



19.6404, 0.2912, 0.5531



34.2558, 0.2941, 0.5786



20.4760, 0.2514, 0.4142



6.0466, 0.3090, 0.3469



17.4540, 0.2931, 0.5750



0.1696, 0.2740, 0.5064

Inverse Universe

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



7.4144, 0.3709, 0.1895



12.1998, 0.3816, 0.1876



6.4236, 0.5321, 0.2840



5.4921, 0.3167, 0.3117



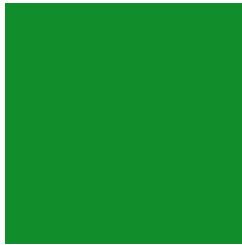
6.2266, 0.3798, 0.1866



0.0626, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 19.6396, 0.2912, 0.5531 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 19.6396, 0.2912, 0.5531 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 19.6396, 0.2912, 0.5531

Background



This preview shows how black text looks on a background with the Yxy color 19.6396, 0.2912, 0.5531.



This preview shows how white text looks on a background with the Yxy color 19.6396, 0.2912, 0.5531.

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

19.6396, 0.2912, 0.5531

Protanopia

19.2932, 0.4219, 0.4661

Deuteranopia

19.3180, 0.4373, 0.4304



Tritanopia

19.7189, 0.2379, 0.3085

Trichromacy



Original Color

19.6396, 0.2912, 0.5531

Protanomaly

18.1809, 0.3563, 0.5082

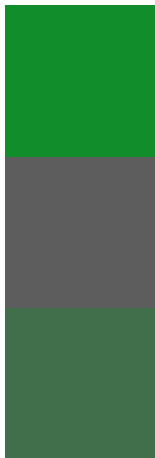
Deuteranomaly

17.7138, 0.3642, 0.4826

Tritanomaly

19.2053, 0.2568, 0.3947

Monochromacy



Original Color

19.6396, 0.2912, 0.5531

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

13.0007, 0.2964, 0.4218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6396, 0.2912, 0.5531 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, 142, 43)` looks like.

```
.text, #text, p{  
    color:rgb(17, 142, 43)  
}
```

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, 142, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 142, 43) }
```

Border

The CSS property to change the border of an element to Yxy 19.6396, 0.2912, 0.5531 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, 142, 43) }
```

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

```
.border{ border-color:rgb(17, 142, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 142, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 142, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 142, 43);  
box-shadow:4px 4px 4px 4px rgb(17, 142,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6396, 0.2912, 0.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 142, 43) }
```

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

```
.background{ background-color: rgb(17, 142,  
43) }
```

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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