

Converting Colors

$Y_{xy}(19.4298, 0.2984, 0.5613)$

Have a look what the booklet for
Yxy(19.4298, 0.2984, 0.5613)
contains.

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Color

Yxy(19.4240, 0.2982, 0.5611)

Conversions

Conversions Part 1

Format	Color
Hex	1C8D24
RGB	28, 141, 36
RGB Percent	11%, 55%, 14%
CMY	0.8899, 0.4471, 0.8590
CMYK	0.80, 0.00, 0.74, 0.45
HSL	124°, 67%, 33%
HSV	124°, 80%, 55%
XYZ	10.3230, 19.4240, 4.8707
YIQ	95.2430, -33.6430, -56.6110

Conversions

Conversions Part 2

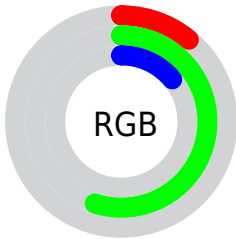
Format	Color
R_{YB}	28, 134, 141
Decimal	1871140
CIE _{Lab}	51.18, -51.01, 44.83
CIE _{LCh}	51, 67.910, 138.690
Y _{xy}	19.4240, 0.2982, 0.5611
Android (android.graphics.Color)	4280061220 (0xFF1C8D24)
YUV	95.2430, -29.2068, -58.9721
Hunter-Lab	44.0727, -35.3177, 24.2984

Details

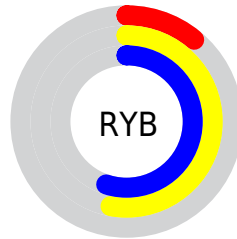
The Yxy color **19.4240, 0.2982, 0.5611** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.1928, 0.3341, 0.1750**, and the grayscale version is **11.5866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5641, 0.3082, 0.5022**, and **7.1448, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.2042, 0.2983, 0.5810**, and if you desaturate by 10%, it is **19.7680, 0.2988, 0.5349**.

Distribution



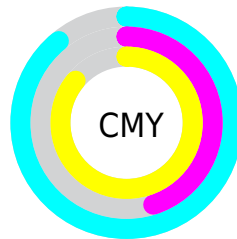
- Red (11%)
- Green (55%)
- Blue (14%)



- Red (11%)
- Yellow (53%)
- Blue (55%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (45%)





- Cyan (89%)
- Magenta (45%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4240, 0.2982, 0.5611 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 19.4240, 0.2982, 0.5611 by changing the saturation by 10% instead.


 19.4240, 0.2982,
0.5611


 19.4240, 0.2982,
0.5611


248.7796, 0.3152,
0.4194


 11.9770, 0.2872,
0.6059


 42.4493, 0.3083,
0.5026


 6.7281, 0.2678,
0.6701


 58.7965, 0.3108,
0.4827


 3.2926, 0.2314,
0.7686

 78.8792, 0.3123,
0.4668

 1.2863, 0.0000,
1.0000

 103.0819, 0.3134,
0.4538

 0.1306, 0.0000,
1.0000

 131.7888, 0.3141,
0.4430

 0.0000, 0.0000,
0.0000

 165.3845, 0.3146,

0.4339

204.2533, 0.3149,
0.4261

■ 19.4240, 0.2982,
0.5611

■ 19.4240, 0.2982,
0.5611

■ 19.2042, 0.2983,
0.5810

■ 19.7680, 0.2988,
0.5349

■ 19.0715, 0.2983,
0.5939

■ 20.2482, 0.3000,
0.5043

■ 20.8778, 0.3017,
0.4716

■ 21.6678, 0.3038,
0.4388

■ 22.6282, 0.3060,
0.4074

■ 23.7682, 0.3083,
0.3784

■ 25.0962, 0.3106,
0.3523

■ 26.6203, 0.3127,
0.3292

■ 28.3479, 0.3147,
0.3090

Harmonies

Analogous

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



19.4240, 0.4070, 0.5412



19.4240, 0.2982, 0.5611



19.4240, 0.1983, 0.4569

Triad

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



19.4240, 0.2982, 0.5611



19.4240, 0.1358, 0.1645



19.4240, 0.5229, 0.3014

Complementary

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



19.4240, 0.2982, 0.5611



8.1928, 0.3341, 0.1750

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.



19.4240, 0.4134, 0.2338



19.4240, 0.2982, 0.5611



19.4240, 0.1881, 0.1593

Square

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



19.4240, 0.2982, 0.5611



19.4240, 0.1189, 0.2071



19.4240, 0.2836, 0.1834



19.4240, 0.5514, 0.3767

Rectangle

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



19.4240, 0.2982, 0.5611



19.4240, 0.1519, 0.3527



19.4240, 0.2836, 0.1834



19.4240, 0.4934, 0.2777

Sweetspot

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



19.4248, 0.2982, 0.5611



41.6218, 0.3073, 0.3909



24.1590, 0.4027, 0.4994



9.1553, 0.3066, 0.4001



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.



19.4248, 0.2982, 0.5611



34.2117, 0.2987, 0.5917



20.0715, 0.2630, 0.4421



6.0351, 0.3108, 0.3501



17.3905, 0.2982, 0.5936



0.1672, 0.2901, 0.5644

Inverse Universe

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



8.1928, 0.3341, 0.1750



13.2514, 0.3384, 0.1653



7.0323, 0.4636, 0.2559



5.5046, 0.3147, 0.3088



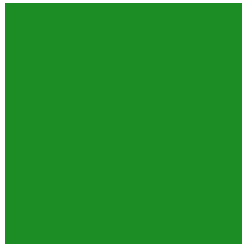
6.6620, 0.3388, 0.1640



0.0650, 0.3291, 0.1586

Previews

White Background



This preview shows how the Yxy color 19.4240, 0.2982, 0.5611 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 19.4240, 0.2982, 0.5611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

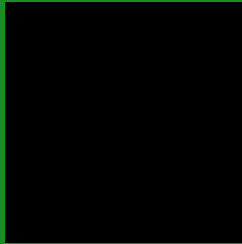
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4240, 0.2982, 0.5611

Background



This preview shows how black text looks on a background with the Yxy color 19.4240, 0.2982, 0.5611.



This preview shows how white text looks on a background with the Yxy color 19.4240, 0.2982, 0.5611.

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

19.4240, 0.2982, 0.5611

Protanopia

19.0079, 0.4277, 0.4716

Deuteranopia

19.0380, 0.4440, 0.4360



Tritanopia

19.2424, 0.2396, 0.3064

Trichromacy



Original Color

19.4240, 0.2982, 0.5611

Protanomaly

18.0895, 0.3665, 0.5130

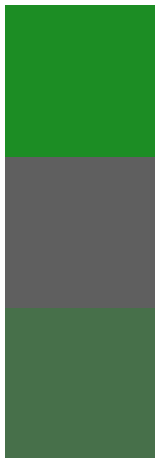
Deuteranomaly

17.6466, 0.3759, 0.4889

Tritanomaly

18.9853, 0.2630, 0.4018

Monochromacy



Original Color

19.4240, 0.2982, 0.5611

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.4223, 0.3046, 0.4246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4240, 0.2982, 0.5611 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(28, 141, 36)` looks like.

```
.text, #text, p{  
    color:rgb(28, 141, 36)  
}
```

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(28, 141, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 141, 36) }
```

Border

The CSS property to change the border of an element to Yxy 19.4240, 0.2982, 0.5611 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(28, 141, 36) }
```

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

```
.border{ border-color:rgb(28, 141, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 141, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 141, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 141, 36);  
box-shadow:4px 4px 4px 4px rgb(28, 141,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4240, 0.2982, 0.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 141, 36) }
```

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

```
.background{ background-color: rgb(28, 141,  
36) }
```

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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