

Converting Colors

$Y_{xy}(18.4861, 0.3031, 0.5764)$

Have a look what the booklet for
Yxy(18.4861, 0.3031, 0.5764)
contains.

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Color

Yxy(18.4857, 0.3031, 0.5763)

Conversions

Conversions Part 1

Format	Color
Hex	1C8A17
RGB	28, 138, 23
RGB Percent	11%, 54%, 9%
CMY	0.8902, 0.4588, 0.9096
CMYK	0.80, 0.00, 0.83, 0.46
HSL	117°, 71%, 32%
HSV	117°, 83%, 54%
XYZ	9.7224, 18.4857, 3.8684
YIQ	92.0000, -28.6450, -59.0850

Conversions

Conversions Part 2

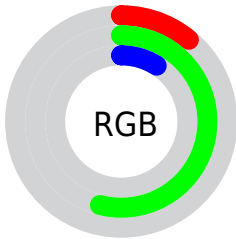
Format	Color
R_{YB}	23, 138, 133
Decimal	1870359
CIE Lab	50.08, -50.99, 48.18
CIE LCh	50, 70.153, 136.622
Yxy	18.4857, 0.3031, 0.5763
Android (android.graphics.Color)	4280060439 (0xFF1C8A17)
YUV	92.0000, -34.0170, -56.1280
Hunter-Lab	42.9950, -34.8773, 24.7619

Details


The Yxy color **18.4857, 0.3031, 0.5763** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.4400, 0.3119, 0.1592**, and the grayscale version is **10.7890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0697, 0.3135, 0.5137**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2976, 0.3017, 0.5915**, and if you desaturate by 10%, it is **18.7858, 0.3047, 0.5534**.

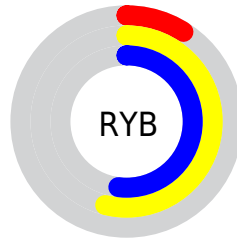
Distribution



 Red (11%)

 Green (54%)

 Blue (9%)




 Red (9%)

 Yellow (54%)

 Blue (52%)

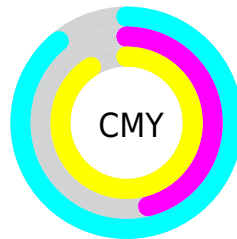



 Cyan (80%)

 Magenta (0%)

 Yellow (83%)

 Black (46%)



 Cyan (89%)


 Magenta (46%)

 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4857, 0.3031, 0.5763 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 18.4857, 0.3031, 0.5763 by changing the saturation by 10% instead.


 18.4857, 0.3031,
0.5763


 18.4857, 0.3031,
0.5763


243.5946, 0.3189,
0.4250

 11.2993, 0.2910,
0.6233


 40.8632, 0.3136,
0.5140


 6.2685, 0.2727,
0.6986


 56.8231, 0.3158,
0.4928


 3.0090, 0.2240,
0.7760

 76.4762, 0.3172,
0.4758

 1.1364, 0.0000,
1.0000

 100.2070, 0.3180,
0.4619


 0.0089, 0.0000,
1.0000


 128.3998, 0.3185,
0.4503

 0.0000, 0.0000,
0.0000


 161.4391, 0.3187,


0.4406


 199.7093, 0.3189,
0.4322

 18.4857, 0.3031,
0.5763


 18.4857, 0.3031,
0.5763

 18.2976, 0.3017,
0.5915


 18.7858, 0.3047,
0.5534

 18.2159, 0.3013,
0.5990

 19.2092, 0.3063,
0.5243

 19.7680, 0.3078,
0.4913

 20.4727, 0.3092,
0.4570

 21.3322, 0.3103,
0.4232

■ 22.3553, 0.3113,
0.3915

■ 23.5496, 0.3120,
0.3626

■ 24.9225, 0.3126,
0.3368

■ 26.4810, 0.3130,
0.3142

Harmonies

Analogous

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



18.4857, 0.4152, 0.5439



18.4857, 0.3031, 0.5763



18.4857, 0.1986, 0.4752

Triad

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



18.4857, 0.3031, 0.5763



18.4857, 0.1276, 0.1600



18.4857, 0.5273, 0.2938

Complementary

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



18.4857, 0.3031, 0.5763



7.4400, 0.3119, 0.1592

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.



18.4857, 0.4083, 0.2255



18.4857, 0.3031, 0.5763



18.4857, 0.1782, 0.1528

Square

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



18.4857, 0.3031, 0.5763



18.4857, 0.1124, 0.2063



18.4857, 0.2736, 0.1756



18.4857, 0.5621, 0.3700

Rectangle

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



18.4857, 0.3031, 0.5763



18.4857, 0.1491, 0.3640



18.4857, 0.2736, 0.1756



18.4857, 0.4946, 0.2699

Sweetspot

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



18.4865, 0.3031, 0.5763



38.9753, 0.3111, 0.3984



22.0370, 0.4202, 0.4894



8.6171, 0.3108, 0.4079



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.



18.4865, 0.3031, 0.5763



32.0898, 0.3010, 0.5992



18.8652, 0.2727, 0.4805



5.6178, 0.3123, 0.3515



16.7026, 0.3014, 0.5989



0.1121, 0.3077, 0.5939

Inverse Universe

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



7.4400, 0.3119, 0.1592



11.8705, 0.3102, 0.1482



6.6943, 0.4353, 0.2335



5.1182, 0.3131, 0.3074



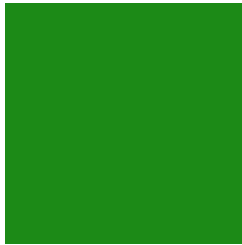
6.1855, 0.3105, 0.1484



0.0427, 0.3160, 0.1515

Previews

White Background



This preview shows how the Yxy color 18.4857, 0.3031, 0.5763 looks on a white background.

Color Contrast Check

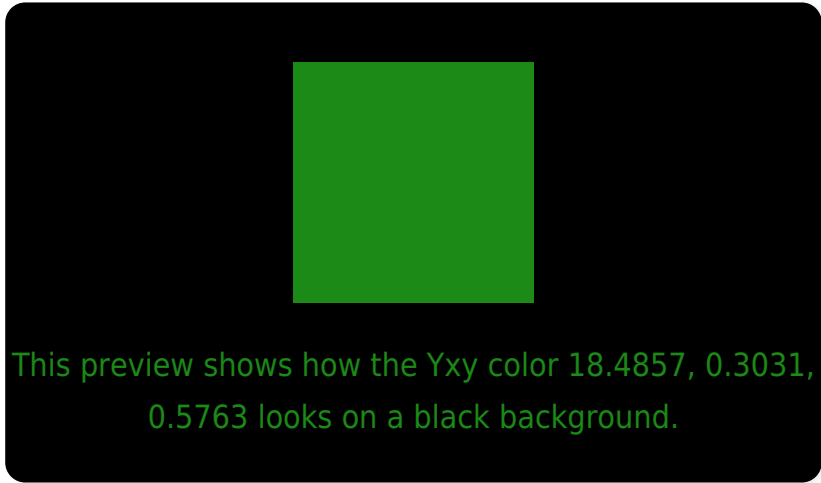
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

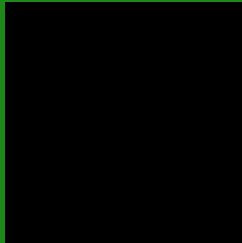
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4857, 0.3031, 0.5763

Background



This preview shows how black text looks on a background with the Yxy color 18.4857, 0.3031, 0.5763.



This preview shows how white text looks on a background with the Yxy color 18.4857, 0.3031, 0.5763.

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

18.4857, 0.3031, 0.5763

Protanopia

18.2239, 0.4330, 0.4817

Deuteranopia

18.0178, 0.4515, 0.4436



Tritanopia

18.3592, 0.2405, 0.3060

Trichromacy



Original Color

18.4857, 0.3031, 0.5763



Protanomaly

17.4051, 0.3720, 0.5261



Deuteranomaly

16.7221, 0.3829, 0.4999



Tritanomaly

18.0437, 0.2668, 0.4106

Monochromacy



Original Color

18.4857, 0.3031, 0.5763



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.6077, 0.3101, 0.4375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4857, 0.3031, 0.5763 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, 138, 23)` looks like.

```
.text, #text, p{  
    color:rgb(28, 138, 23)  
}
```

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, 138, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 138, 23) }
```

Border

The CSS property to change the border of an element to Yxy 18.4857, 0.3031, 0.5763 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, 138, 23) }
```

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

```
.border{ border-color:rgb(28, 138, 23) }
```

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

Here you see how a box with a 4 pixel rgb(28, 138, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 138, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 138, 23);  
box-shadow:4px 4px 4px 4px rgb(28, 138,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4857, 0.3031, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 138, 23) }
```

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

```
.background{ background-color: rgb(28, 138,  
23) }
```

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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