

Converting Colors

$Y_{xy}(11.9025, 0.3033, 0.5662)$

Have a look what the booklet for
Yxy(11.9025, 0.3033, 0.5662)
contains.

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Color

Yxy(11.8529, 0.3033, 0.5670)

Conversions

Conversions Part 1

Format	Color
Hex	197016
RGB	25, 112, 22
RGB Percent	10%, 44%, 9%
CMY	0.9018, 0.5608, 0.9138
CMYK	0.78, 0.00, 0.80, 0.56
HSL	118°, 67%, 26%
HSV	118°, 80%, 44%
XYZ	6.3404, 11.8529, 2.7113
YIQ	75.7270, -22.9620, -46.4340

Conversions

Conversions Part 2

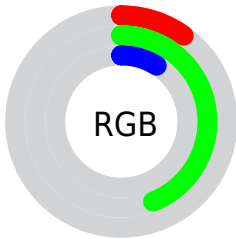
Format	Color
R_{YB}	22, 112, 109
Decimal	1667094
CIE _{Lab}	40.98, -42.83, 39.84
CIE _{LCh}	41, 58.493, 137.070
Yxy	11.8529, 0.3033, 0.5670
Android (android.graphics.Color)	4279857174 (0xFF197016)
YUV	75.7270, -26.4874, -44.4876
Hunter-Lab	34.4280, -27.3760, 19.4303

Details


The Yxy color **11.8529, 0.3033, 0.5670** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9900, 0.3140, 0.1647**, and the grayscale version is **7.2289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3226, 0.3134, 0.4994**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7072, 0.3019, 0.5855**, and if you desaturate by 10%, it is **12.0717, 0.3048, 0.5416**.

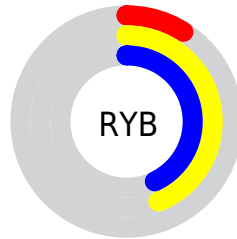
Distribution



 Red (10%)

 Green (44%)

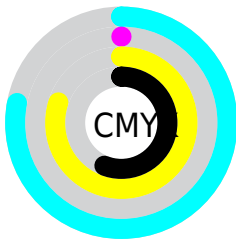
 Blue (9%)




 Red (9%)

 Yellow (44%)

 Blue (43%)

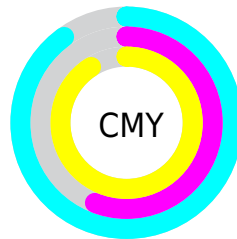



 Cyan (78%)

 Magenta (0%)

 Yellow (80%)

 Black (56%)



 Cyan (90%)


 Magenta (56%)

 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8529, 0.3033, 0.5670 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 11.8529, 0.3033, 0.5670 by changing the saturation by 10% instead.


 11.8529, 0.3033,
0.5670


 11.8529, 0.3033,
0.5670


203.4290, 0.3181,
0.4128


 6.6436, 0.2896,
0.6216


 29.2269, 0.3138,
0.4997


 3.2402, 0.2710,
0.7290

 42.1604, 0.3158,
0.4781

 1.2584, 0.0804,
0.9196

 58.4374, 0.3169,
0.4612

 0.1086, 0.0000,
1.0000


 78.4423, 0.3176,
0.4476


 0.0000, 0.0000,
0.0000

 102.5596, 0.3179,
0.4365

 131.1735, 0.3181,

0.4273


 164.6685, 0.3181,
0.4195


 11.8529, 0.3033,
0.5670

 11.8529, 0.3033,
0.5670

 11.7072, 0.3019,
0.5855


 12.0717, 0.3048,
0.5416

 11.6130, 0.3013,
0.5990

 12.3698, 0.3063,
0.5111

 12.7543, 0.3078,
0.4780

 13.2312, 0.3091,
0.4443

 13.8061, 0.3103,
0.4118

■ 14.4839, 0.3113,
0.3815

■ 15.2693, 0.3121,
0.3542

■ 16.1668, 0.3127,
0.3299

■ 17.1804, 0.3132,
0.3085

Harmonies

Analogous

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



11.8529, 0.4130, 0.5400



11.8529, 0.3033, 0.5670



11.8529, 0.2012, 0.4674

Triad

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



11.8529, 0.3033, 0.5670



11.8529, 0.1321, 0.1638



11.8529, 0.5218, 0.2967

Complementary

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



11.8529, 0.3033, 0.5670



4.9900, 0.3140, 0.1647

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.



11.8529, 0.4075, 0.2292



11.8529, 0.3033, 0.5670



11.8529, 0.1827, 0.1570

Square

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



11.8529, 0.3033, 0.5670



11.8529, 0.1169, 0.2091



11.8529, 0.2767, 0.1798



11.8529, 0.5552, 0.3721

Rectangle

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



11.8529, 0.3033, 0.5670



11.8529, 0.1528, 0.3611



11.8529, 0.2767, 0.1798



11.8529, 0.4904, 0.2730

Sweetspot

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



11.8534, 0.3033, 0.5670



24.9159, 0.3109, 0.3940



14.1223, 0.4170, 0.4853



5.9066, 0.3106, 0.4026



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8534, 0.3033, 0.5670



20.4389, 0.3011, 0.5950



12.1119, 0.2725, 0.4710



3.7681, 0.3122, 0.3506



13.4232, 0.3012, 0.5990



66.7901, 0.3005, 0.5996

Inverse Universe

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



4.9900, 0.3140, 0.1647



7.8093, 0.3129, 0.1516



4.4789, 0.4256, 0.2347



3.4480, 0.3132, 0.3082



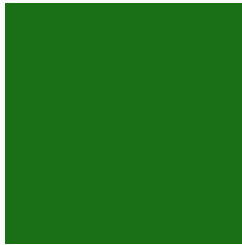
5.0499, 0.3128, 0.1497



25.0765, 0.3123, 0.1494

Previews

White Background



This preview shows how the Yxy color 11.8529, 0.3033, 0.5670 looks on a white background.

Color Contrast Check

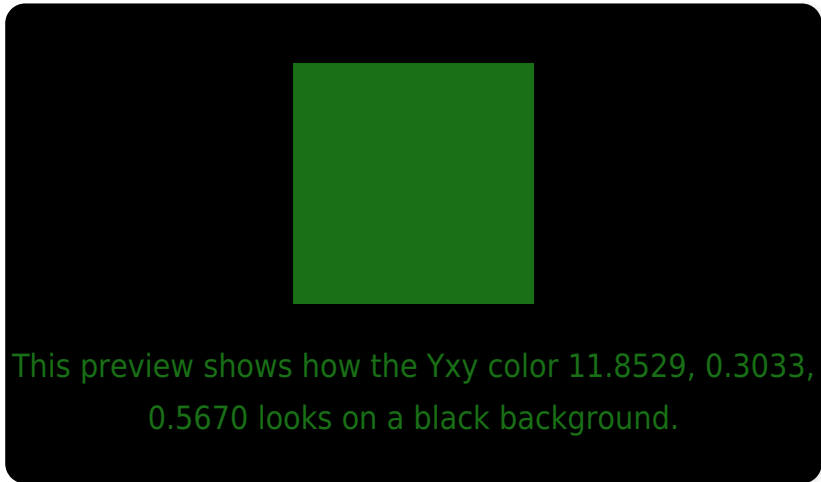
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

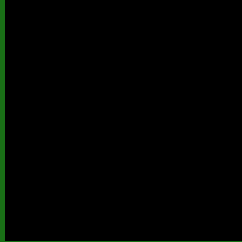
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8529, 0.3033, 0.5670

Background



This preview shows how black text looks on a background with the Yxy color 11.8529, 0.3033, 0.5670.



This preview shows how white text looks on a background with the Yxy color 11.8529, 0.3033, 0.5670.

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

11.8529, 0.3033, 0.5670

Protanopia

11.5976, 0.4305, 0.4766

Deuteranopia

11.5795, 0.4465, 0.4401



Tritanopia

11.8229, 0.2423, 0.3064

Trichromacy



Original Color

11.8529, 0.3033, 0.5670

Protanomaly

11.1695, 0.3721, 0.5188

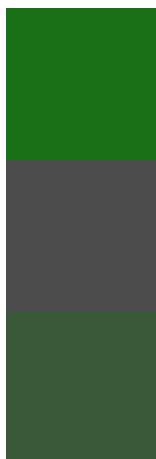
Deuteranomaly

10.9388, 0.3805, 0.4945

Tritanomaly

11.5868, 0.2672, 0.4042

Monochromacy



Original Color

11.8529, 0.3033, 0.5670

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.3001, 0.3095, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8529, 0.3033, 0.5670 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(25, 112, 22)` looks like.

```
.text, #text, p{  
    color:rgb(25, 112, 22)  
}
```

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(25, 112, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 112, 22) }
```

Border

The CSS property to change the border of an element to Yxy 11.8529, 0.3033, 0.5670 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(25, 112, 22) }
```

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

```
.border{ border-color:rgb(25, 112, 22) }
```

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

Here you see how a box with a 4 pixel rgb(25, 112, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 112, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 112, 22);  
box-shadow:4px 4px 4px 4px rgb(25, 112,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8529, 0.3033, 0.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 112, 22) }
```

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

```
.background{ background-color: rgb(25, 112,  
22) }
```

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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