

Converting Colors

$Y_{xy}(11.8990, 0.2895, 0.5623)$

Have a look what the booklet for
Yxy(11.8990, 0.2895, 0.5623)
contains.

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Color

Yxy(11.8990, 0.2895, 0.5623)

Conversions

Conversions Part 1

Format	Color
Hex	00711D
RGB	0, 113, 29
RGB Percent	0%, 44%, 11%
CMY	1.0000, 0.5568, 0.8863
CMYK	1.00, 0.00, 0.74, 0.56
HSL	135°, 100%, 22%
HSV	135°, 100%, 44%
XYZ	6.1262, 11.8990, 3.1361
YIQ	69.6370, -40.3840, -50.0800

Conversions

Conversions Part 2

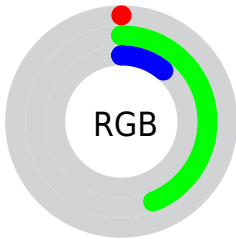
Format	Color
RYB	0, 90, 113
Decimal	28957
CIELab	41.06, -45.46, 37.06
CIELCh	41, 58.651, 140.806
Yxy	11.8990, 0.2895, 0.5623
Android (android.graphics.Color)	4278219037 (0xFF00711D)
YUV	69.6370, -20.0340, -61.0716
Hunter-Lab	34.4949, -28.6651, 18.7561

Details

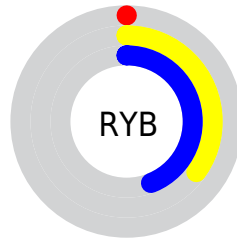
The Yxy color **11.8990, 0.2895, 0.5623** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.1512, 0.3947, 0.1948**, and the grayscale version is **6.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3184, 0.3028, 0.4956**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.9000, 0.2895, 0.5623**, and if you desaturate by 10%, it is **12.0206, 0.2881, 0.5421**.

Distribution



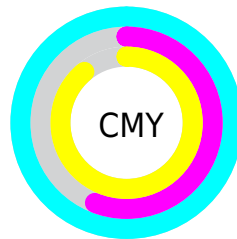
- Red (0%)
- Green (44%)
- Blue (11%)



- Red (0%)
- Yellow (35%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8990, 0.2895, 0.5623 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 11.8990, 0.2895, 0.5623 by changing the saturation by 10% instead.

 11.8990, 0.2895,
0.5623


 11.8990, 0.2895,
0.5623


203.7355, 0.3119,
0.4102


 6.6749, 0.2743,
0.6179


 29.3110, 0.3027,
0.4952


 3.2597, 0.2582,
0.7418

 42.2678, 0.3058,
0.4739

 1.2687, 0.0405,
0.9595

 58.5709, 0.3078,
0.4573

 0.1168, 0.0000,
1.0000

 78.6047, 0.3092,
0.4440


 0.0000, 0.0000,
0.0000


 102.7537, 0.3102,
0.4332


 131.4022, 0.3109,


0.4242

 164.9347, 0.3114,
0.4166


 11.8990, 0.2895,
0.5623


 11.8990, 0.2895,
0.5623


 11.9000, 0.2895,
0.5623

 12.0206, 0.2881,
0.5421

 12.1844, 0.2870,
0.5188

 12.4179, 0.2872,
0.4931

 12.7282, 0.2888,
0.4663

 13.1215, 0.2914,
0.4394

■ 13.6035, 0.2949,
0.4136

■ 14.1793, 0.2990,
0.3893

■ 14.8535, 0.3035,
0.3670

■ 15.6306, 0.3081,
0.3469

Harmonies

Analogous

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



11.8990, 0.3997, 0.5485



11.8990, 0.2895, 0.5623



11.8990, 0.1904, 0.4482

Triad

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



11.8990, 0.2895, 0.5623



11.8990, 0.1362, 0.1610



11.8990, 0.5314, 0.3057

Complementary

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



11.8990, 0.2895, 0.5623



4.1512, 0.3947, 0.1948

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.



11.8990, 0.4244, 0.2368



11.8990, 0.2895, 0.5623



11.8990, 0.1918, 0.1581

Square

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



11.8990, 0.2895, 0.5623



11.8990, 0.1168, 0.2006



11.8990, 0.2915, 0.1844



11.8990, 0.5532, 0.3820

Rectangle

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



11.8990, 0.2895, 0.5623



11.8990, 0.1460, 0.3421



11.8990, 0.2915, 0.1844



11.8990, 0.5034, 0.2817

Sweetspot

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



11.9000, 0.2895, 0.5623



25.2993, 0.2987, 0.3912



13.7310, 0.3776, 0.5384



5.7709, 0.2973, 0.3988



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.



11.9000, 0.2895, 0.5623



21.2881, 0.2907, 0.5666



12.4632, 0.2467, 0.4080



3.7760, 0.3086, 0.3450



13.4945, 0.2898, 0.5633



67.1001, 0.2922, 0.5721

Inverse Universe

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



4.1512, 0.3947, 0.1948



7.4111, 0.3971, 0.1961



3.5961, 0.5825, 0.2982



3.4396, 0.3171, 0.3135



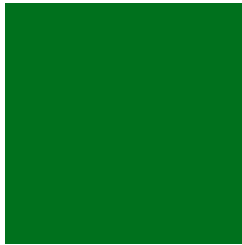
4.7052, 0.3953, 0.1951



23.2932, 0.4003, 0.1979

Previews

White Background



This preview shows how the Yxy color 11.8990, 0.2895, 0.5623 looks on a white background.

Color Contrast Check

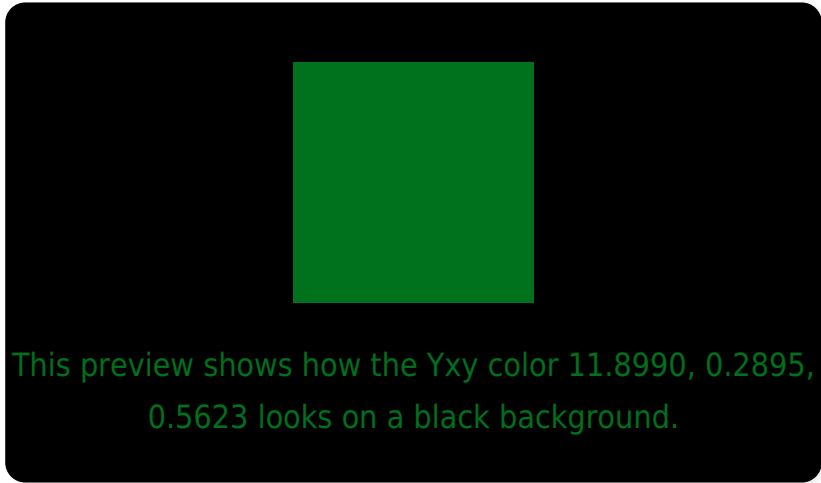
Large Text (above 18pt) WCAG AA ✓ Pass

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

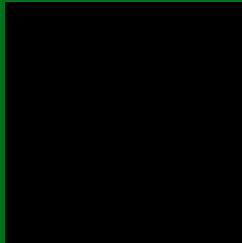
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8990, 0.2895, 0.5623

Background



This preview shows how black text looks on a background with the Yxy color 11.8990, 0.2895, 0.5623.



This preview shows how white text looks on a background with the Yxy color 11.8990, 0.2895, 0.5623.

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

11.8990, 0.2895, 0.5623

Protanopia

11.8708, 0.4256, 0.4697

Deuteranopia

11.7809, 0.4396, 0.4350



Tritanopia

11.8989, 0.2372, 0.3063

Trichromacy



Original Color

11.8990, 0.2895, 0.5623



Protanomaly

11.0403, 0.3526, 0.5197



Deuteranomaly

10.7663, 0.3595, 0.4945



Tritanomaly

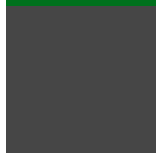
11.6109, 0.2556, 0.3993

Monochromacy



Original Color

11.8990, 0.2895, 0.5623



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

7.4893, 0.2934, 0.4309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8990, 0.2895, 0.5623 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(0, 113, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 29)  
}
```

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(0, 113, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 29) }
```

Border

The CSS property to change the border of an element to Yxy 11.8990, 0.2895, 0.5623 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(0, 113, 29) }
```

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

```
.border{ border-color:rgb(0, 113, 29) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8990, 0.2895, 0.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 29) }
```

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

```
.background{ background-color: rgb(0, 113,  
29) }
```

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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