

Converting Colors

$Y_{xy}(9.5069, 0.2208, 0.6105)$

Have a look what the booklet for
Yxy(9.5069, 0.2208, 0.6105)
contains.

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Color

Yxy(10.5900, 0.2901, 0.5642)

Conversions

Conversions Part 1

Format	Color
Hex	006B1A
RGB	0, 107, 26
RGB Percent	0%, 42%, 10%
CMY	0.9996, 0.5804, 0.8980
CMYK	1.00, 0.00, 0.76, 0.58
HSL	135°, 100%, 21%
HSV	135°, 100%, 42%
XYZ	5.4452, 10.5900, 2.7348
YIQ	65.7730, -37.7710, -47.8750

Conversions

Conversions Part 2

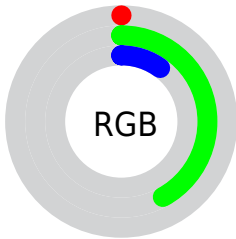
Format	Color
RYB	0, 86, 107
Decimal	27418
CIELab	38.88, -43.81, 36.05
CIELCh	39, 56.734, 140.547
Yxy	10.5900, 0.2901, 0.5642
Android (android.graphics.Color)	4278217498 (0xFF006B1A)
YUV	65.7730, -19.6081, -57.6829
Hunter-Lab	32.5423, -27.0814, 17.7970

Details

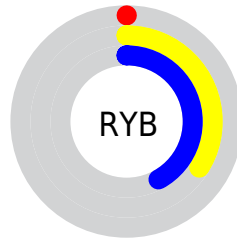
The Yxy color **10.5900, 0.2901, 0.5642** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.7234, 0.3893, 0.1919**, and the grayscale version is **5.4514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0661, 0.3035, 0.4952**, and **3.0261, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.5894, 0.2901, 0.5644**, and if you desaturate by 10%, it is **10.7011, 0.2889, 0.5440**.

Distribution



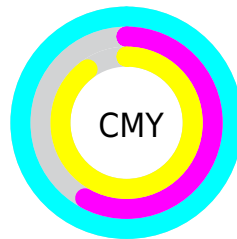
- Red (0%)
- Green (42%)
- Blue (10%)



- Red (0%)
- Yellow (34%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5900, 0.2901, 0.5642 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 10.5900, 0.2901, 0.5642 by changing the saturation by 10% instead.


 10.5900, 0.2901,
0.5642


 10.5900, 0.2901,
0.5642


194.8327, 0.3124,
0.4088


 5.7919, 0.2740,
0.6227

 26.8995, 0.3036,
0.4947


 2.7189, 0.2527,
0.7473


 39.1796, 0.3066,
0.4729


 0.9868, 0.0000,
1.0000

 54.7225, 0.3086,
0.4561


 0.0000, 0.0000,
0.0000


 73.9126, 0.3099,
0.4427


 97.1343, 0.3109,
0.4318

 124.7719, 0.3115,


0.4228


 157.2099, 0.3120,
0.4152

 10.5900, 0.2901,
0.5642

 10.5900, 0.2901,
0.5642


 10.5894, 0.2901,
0.5644

 10.7011, 0.2889,
0.5440

 10.8489, 0.2879,
0.5206

 11.0586, 0.2882,
0.4948

 11.3366, 0.2898,
0.4677

 11.6882, 0.2924,
0.4405

■ 12.1185, 0.2958,
0.4144

■ 12.6318, 0.2997,
0.3898

■ 13.2324, 0.3040,
0.3673

■ 13.9240, 0.3084,
0.3470

Harmonies

Analogous

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



10.5900, 0.4007, 0.5489



10.5900, 0.2901, 0.5642



10.5900, 0.1904, 0.4503

Triad

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



10.5900, 0.2901, 0.5642



10.5900, 0.1352, 0.1605



10.5900, 0.5319, 0.3048

Complementary

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



10.5900, 0.2901, 0.5642



3.7234, 0.3893, 0.1919

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.



10.5900, 0.4238, 0.2358



10.5900, 0.2901, 0.5642



10.5900, 0.1906, 0.1573

Square

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



10.5900, 0.2901, 0.5642



10.5900, 0.1160, 0.2005



10.5900, 0.2903, 0.1835



10.5900, 0.5545, 0.3812

Rectangle

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



10.5900, 0.2901, 0.5642



10.5900, 0.1457, 0.3434



10.5900, 0.2903, 0.1835



10.5900, 0.5036, 0.2807

Sweetspot

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



10.5904, 0.2901, 0.5642



22.5264, 0.2993, 0.3921



12.3117, 0.3806, 0.5359



5.3786, 0.2980, 0.3997



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.5904, 0.2901, 0.5642



18.9448, 0.2913, 0.5688



11.0730, 0.2481, 0.4130



3.4557, 0.3088, 0.3452



12.8785, 0.2906, 0.5660



65.5031, 0.2930, 0.5748

Inverse Universe

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



3.7234, 0.3893, 0.1919



6.6432, 0.3917, 0.1932



3.2147, 0.5751, 0.2943



3.1520, 0.3169, 0.3134



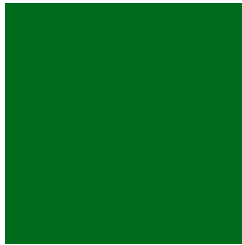
4.5218, 0.3903, 0.1924



22.8991, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 10.5900, 0.2901, 0.5642 looks on a white background.

Color Contrast Check

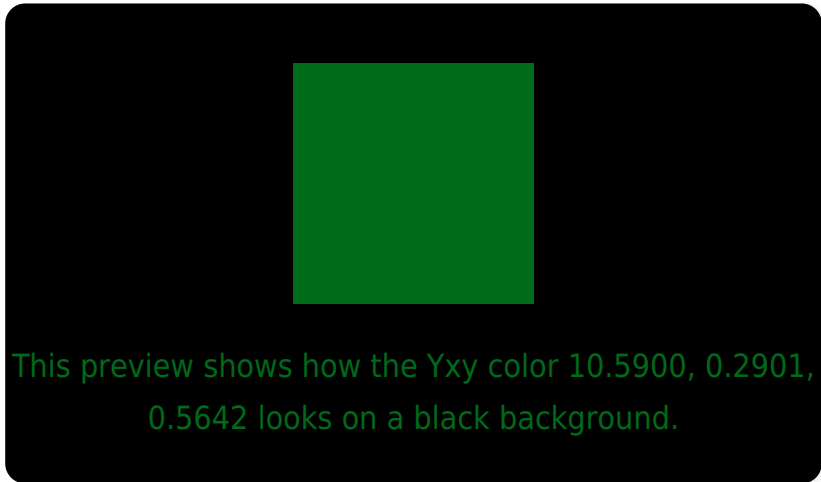
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5900, 0.2901, 0.5642

Background



This preview shows how black text looks on a background with the Yxy color 10.5900, 0.2901, 0.5642.



This preview shows how white text looks on a background with the Yxy color 10.5900, 0.2901, 0.5642.

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

10.5900, 0.2901, 0.5642

Protanopia

10.5958, 0.4259, 0.4717

Deuteranopia

10.5093, 0.4409, 0.4356



Tritanopia

10.7325, 0.2382, 0.3079

Trichromacy



Original Color

10.5900, 0.2901, 0.5642



Protanomaly

9.7695, 0.3553, 0.5199



Deuteranomaly

9.5208, 0.3629, 0.4937



Tritanomaly

10.4974, 0.2570, 0.4025

Monochromacy



Original Color

10.5900, 0.2901, 0.5642



Achromatopsia

5.4480, 0.3127, 0.3290



Achromatomaly

6.6161, 0.2941, 0.4329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5900, 0.2901, 0.5642 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, 107, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 26)  
}
```

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, 107, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 26) }
```

Border

The CSS property to change the border of an element to Yxy 10.5900, 0.2901, 0.5642 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, 107, 26) }
```

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

```
.border{ border-color:rgb(0, 107, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5900, 0.2901, 0.5642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 26) }
```

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

```
.background{ background-color: rgb(0, 107,  
26) }
```

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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