

Converting Colors

$Y_{xy}(9.4044, 0.2048, 0.6135)$

Have a look what the booklet for
Yxy(9.4044, 0.2048, 0.6135)
contains.

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Color

Yxy(10.6041, 0.2883, 0.5580)

Conversions

Conversions Part 1

Format	Color
Hex	006B1D
RGB	0, 107, 29
RGB Percent	0%, 42%, 11%
CMY	1.0000, 0.5804, 0.8862
CMYK	1.00, 0.00, 0.73, 0.58
HSL	136°, 100%, 21%
HSV	136°, 100%, 42%
XYZ	5.4788, 10.6041, 2.9209
YIQ	66.1150, -38.7340, -46.9420

Conversions

Conversions Part 2

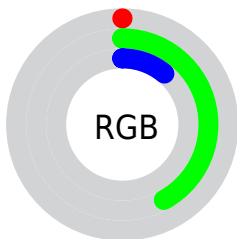
Format	Color
RYB	0, 84, 107
Decimal	27421
CIELab	38.91, -43.52, 34.79
CIELCh	39, 55.716, 141.355
Yxy	10.6041, 0.2883, 0.5580
Android (android.graphics.Color)	4278217501 (0xFF006B1D)
YUV	66.1150, -18.2977, -57.9829
Hunter-Lab	32.5639, -26.9548, 17.4766

Details

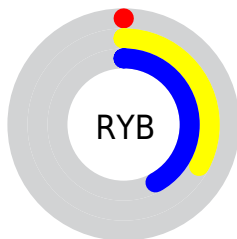
The Yxy color **10.6041, 0.2883, 0.5580** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.6761, 0.3991, 0.1972**, and the grayscale version is **5.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0939, 0.3022, 0.4915**, and **3.0261, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.6051, 0.2883, 0.5580**, and if you desaturate by 10%, it is **10.7178, 0.2870, 0.5374**.

Distribution



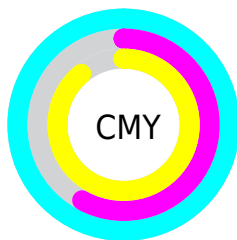
- Red (0%)
- Green (42%)
- Blue (11%)



- Red (0%)
- Yellow (33%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6041, 0.2883, 0.5580 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 10.6041, 0.2883, 0.5580 by changing the saturation by 10% instead.


 10.6041, 0.2883,
0.5580


 10.6041, 0.2883,
0.5580


194.9309, 0.3112,
0.4066


 5.8013, 0.2725,
0.6156

 26.9257, 0.3017,
0.4901


 2.7246, 0.2545,
0.7455


 39.2133, 0.3049,
0.4689

 0.9897, 0.0000,
1.0000

 54.7646, 0.3069,
0.4525


 0.0000, 0.0000,
0.0000


 73.9641, 0.3084,
0.4395

 97.1960, 0.3094,
0.4289


 124.8449, 0.3102,

0.4202

 157.2951, 0.3107,
0.4128

 10.6041, 0.2883,
0.5580


 10.6041, 0.2883,
0.5580


 10.6051, 0.2883,
0.5580

 10.7178, 0.2870,
0.5374

 10.8666, 0.2859,
0.5142

 11.0766, 0.2863,
0.4889

 11.3541, 0.2879,
0.4626

 11.7043, 0.2907,
0.4364

■ 12.1322, 0.2943,
0.4112

■ 12.6422, 0.2986,
0.3876

■ 13.2383, 0.3032,
0.3660

■ 13.9244, 0.3079,
0.3465

Harmonies

Analogous

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



10.6041, 0.3976, 0.5474



10.6041, 0.2883, 0.5580



10.6041, 0.1905, 0.4437

Triad

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



10.6041, 0.2883, 0.5580



10.6041, 0.1384, 0.1623



10.6041, 0.5299, 0.3076

Complementary

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



10.6041, 0.2883, 0.5580



3.6761, 0.3991, 0.1972

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.



10.6041, 0.4255, 0.2390



10.6041, 0.2883, 0.5580



10.6041, 0.1944, 0.1598

Square

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



10.6041, 0.2883, 0.5580



10.6041, 0.1185, 0.2010



10.6041, 0.2941, 0.1865



10.6041, 0.5504, 0.3837

Rectangle

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



10.6041, 0.2883, 0.5580



10.6041, 0.1469, 0.3395



10.6041, 0.2941, 0.1865



10.6041, 0.5028, 0.2837

Sweetspot

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



10.6051, 0.2883, 0.5580



22.5524, 0.2982, 0.3896



12.1559, 0.3751, 0.5404



5.3853, 0.2968, 0.3969



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.



10.6051, 0.2883, 0.5580



18.9694, 0.2896, 0.5626



11.1261, 0.2450, 0.4018



3.4570, 0.3084, 0.3445



12.8958, 0.2888, 0.5597



65.5816, 0.2914, 0.5690

Inverse Universe

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



3.6761, 0.3991, 0.1972



6.5610, 0.4017, 0.1987



3.1961, 0.5863, 0.3004



3.1506, 0.3173, 0.3139



4.4666, 0.4001, 0.1977



22.6083, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 10.6041, 0.2883, 0.5580 looks on a white background.

Color Contrast Check

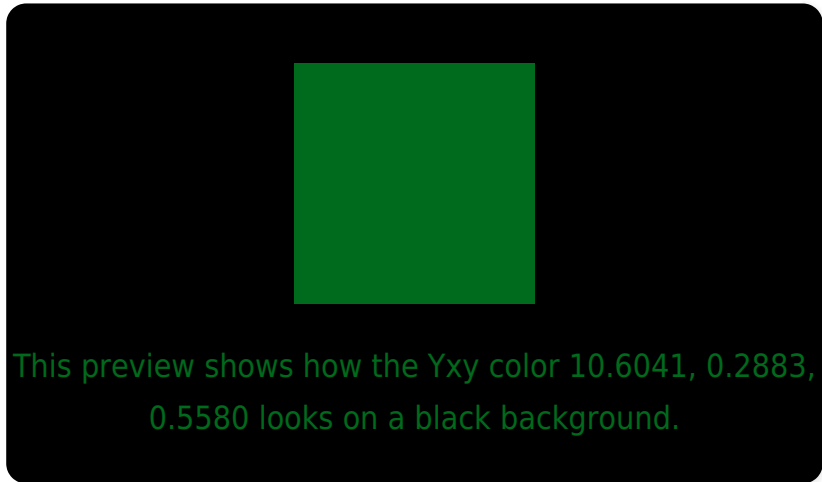
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6041, 0.2883, 0.5580

Background



This preview shows how black text looks on a background with the Yxy color 10.6041, 0.2883, 0.5580.



This preview shows how white text looks on a background with the Yxy color 10.6041, 0.2883, 0.5580.

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

10.6041, 0.2883, 0.5580

Protanopia

10.6080, 0.4234, 0.4680

Deuteranopia

10.5274, 0.4373, 0.4310



Tritanopia

10.7325, 0.2382, 0.3079

Trichromacy



Original Color

10.6041, 0.2883, 0.5580



Protanomaly

9.7822, 0.3530, 0.5148



Deuteranomaly

9.5374, 0.3599, 0.4876



Tritanomaly

10.5119, 0.2561, 0.3993

Monochromacy



Original Color

10.6041, 0.2883, 0.5580



Achromatopsia

5.4480, 0.3127, 0.3290



Achromatomaly

6.6341, 0.2913, 0.4257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6041, 0.2883, 0.5580 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 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, 107, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 29) }
```

Border

The CSS property to change the border of an element to Yxy 10.6041, 0.2883, 0.5580 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, 29) }
```

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

```
.border{ border-color:rgb(0, 107, 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, 107, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6041, 0.2883, 0.5580 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, 29) }
```

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

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