

Converting Colors

$Yxy(12.3123, 0.2879, 0.5564)$

Have a look what the booklet for
Yxy(12.3123, 0.2879, 0.5564)
contains.

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Color

Yxy(12.3713, 0.2877, 0.5556)

Conversions

Conversions Part 1

Format	Color
Hex	007321
RGB	0, 115, 33
RGB Percent	0%, 45%, 13%
CMY	0.9996, 0.5490, 0.8706
CMYK	1.00, 0.00, 0.71, 0.55
HSL	137°, 100%, 23%
HSV	137°, 100%, 45%
XYZ	6.4061, 12.3713, 3.4892
YIQ	71.2670, -42.2180, -49.8820

Conversions

Conversions Part 2

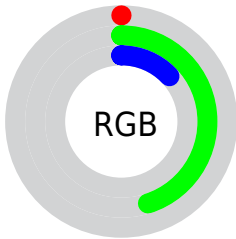
Format	Color
RYB	0, 89, 115
Decimal	29473
CIELab	41.80, -45.66, 36.13
CIELCh	42, 58.225, 141.646
Yxy	12.3713, 0.2877, 0.5556
Android (android.graphics.Color)	4278219553 (0xFF007321)
YUV	71.2670, -18.8656, -62.5012
Hunter-Lab	35.1729, -29.0420, 18.7394

Details

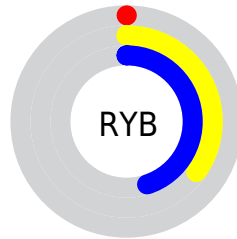
The Yxy color **12.3713, 0.2877, 0.5556** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2573, 0.4051, 0.2006**, and the grayscale version is **6.3916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1103, 0.3003, 0.4907**, and **3.7806, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.3709, 0.2877, 0.5557**, and if you desaturate by 10%, it is **12.4982, 0.2860, 0.5351**.

Distribution



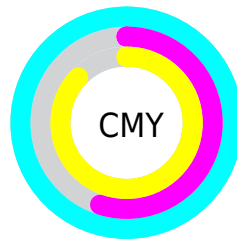
- Red (0%)
- Green (45%)
- Blue (13%)



- Red (0%)
- Yellow (35%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3713, 0.2877, 0.5556 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 12.3713, 0.2877, 0.5556 by changing the saturation by 10% instead.


 12.3713, 0.2877,
0.5556


 12.3713, 0.2877,
0.5556


206.8481, 0.3105,
0.4084


 6.9971, 0.2731,
0.6093


 30.1696, 0.3007,
0.4908


 3.4603, 0.2561,
0.7226

 43.3624, 0.3039,
0.4702


 1.3765, 0.0845,
0.9155

 59.9302, 0.3060,
0.4541

 0.1993, 0.0000,
1.0000


 80.2575, 0.3075,
0.4413


 0.0000, 0.0000,
0.0000


 104.7285, 0.3086,
0.4308


 133.7277, 0.3094,


0.4220


 167.6394, 0.3101,
0.4147


 12.3713, 0.2877,
0.5556

 12.3713, 0.2877,
0.5556


 12.3709, 0.2877,
0.5557

 12.4982, 0.2860,
0.5351

 12.6699, 0.2849,
0.5120

 12.9132, 0.2852,
0.4869

 13.2356, 0.2869,
0.4608

 13.6435, 0.2897,
0.4349

■ 14.1427, 0.2935,
0.4100

■ 14.7384, 0.2979,
0.3867

■ 15.4355, 0.3027,
0.3654

■ 16.2385, 0.3077,
0.3461

Harmonies

Analogous

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



12.3713, 0.3965, 0.5467



12.3713, 0.2877, 0.5556



12.3713, 0.1906, 0.4413

Triad

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



12.3713, 0.2877, 0.5556



12.3713, 0.1397, 0.1630



12.3713, 0.5291, 0.3087

Complementary

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



12.3713, 0.2877, 0.5556



4.2573, 0.4051, 0.2006

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.



12.3713, 0.4260, 0.2401



12.3713, 0.2877, 0.5556



12.3713, 0.1959, 0.1608

Square

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



12.3713, 0.2877, 0.5556



12.3713, 0.1195, 0.2012



12.3713, 0.2955, 0.1877



12.3713, 0.5488, 0.3846

Rectangle

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



12.3713, 0.2877, 0.5556



12.3713, 0.1474, 0.3382



12.3713, 0.2955, 0.1877



12.3713, 0.5024, 0.2848

Sweetspot

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



12.3718, 0.2877, 0.5556



26.2928, 0.2975, 0.3887



14.0753, 0.3721, 0.5427



6.1839, 0.2960, 0.3963



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.3718, 0.2877, 0.5556



22.1317, 0.2889, 0.5601



13.0019, 0.2436, 0.3968



4.1139, 0.3082, 0.3445



14.1392, 0.2880, 0.5569



68.7715, 0.2905, 0.5658

Inverse Universe

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



4.2573, 0.4051, 0.2006



7.5959, 0.4078, 0.2020



3.7169, 0.5931, 0.3042



3.7409, 0.3176, 0.3140



4.8605, 0.4059, 0.2009



23.5328, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 12.3713, 0.2877, 0.5556 looks on a white background.

Color Contrast Check

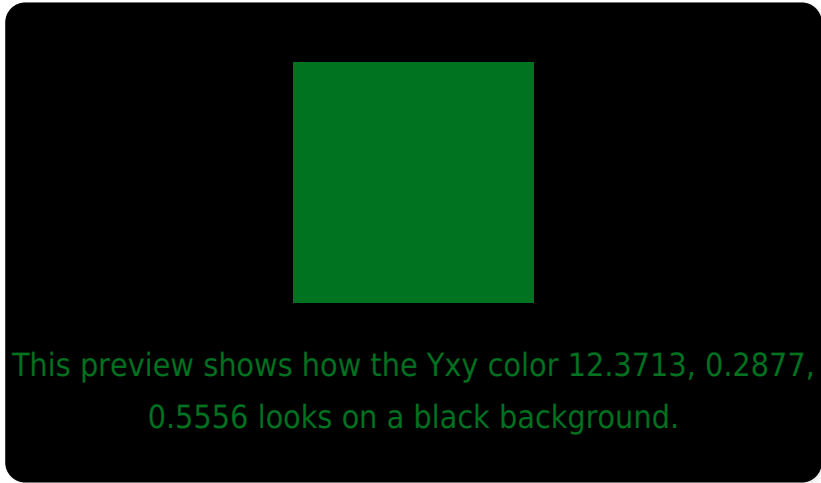
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3713, 0.2877, 0.5556

Background



This preview shows how black text looks on a background with the Yxy color 12.3713, 0.2877, 0.5556.



This preview shows how white text looks on a background with the Yxy color 12.3713, 0.2877, 0.5556.

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

12.3713, 0.2877, 0.5556

Protanopia

12.3274, 0.4210, 0.4670

Deuteranopia

12.3031, 0.4353, 0.4309



Tritanopia

12.3807, 0.2374, 0.3067

Trichromacy



Original Color

12.3713, 0.2877, 0.5556

Protanomaly

11.4990, 0.3496, 0.5146

Deuteranomaly

11.2624, 0.3572, 0.4880

Tritanomaly

12.0998, 0.2544, 0.3952

Monochromacy



Original Color

12.3713, 0.2877, 0.5556

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.6697, 0.2909, 0.4267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3713, 0.2877, 0.5556 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, 115, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 33)  
}
```

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, 115, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 33) }
```

Border

The CSS property to change the border of an element to Yxy 12.3713, 0.2877, 0.5556 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, 115, 33) }
```

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

```
.border{ border-color:rgb(0, 115, 33) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3713, 0.2877, 0.5556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 33) }
```

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

```
.background{ background-color: rgb(0, 115,  
33) }
```

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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