

Converting Colors

$Yxy(11.2182, 0.1888, 0.5473)$

Have a look what the booklet for
Yxy(11.2182, 0.1888, 0.5473)
contains.

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Color

$\text{Yxy}(12.7571, 0.2736, 0.5051)$

Conversions

Conversions Part 1

Format	Color
Hex	007436
RGB	0, 116, 54
RGB Percent	0%, 45%, 21%
CMY	1.0000, 0.5451, 0.7882
CMYK	1.00, 0.00, 0.53, 0.55
HSL	148°, 100%, 23%
HSV	148°, 100%, 45%
XYZ	6.9102, 12.7571, 5.5893
YIQ	74.2480, -49.2340, -43.8740

Conversions

Conversions Part 2

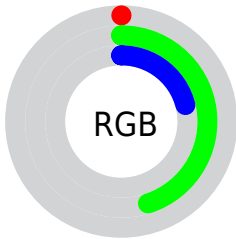
Format	Color
RYB	0, 79, 116
Decimal	29750
CIELab	42.39, -43.02, 26.35
CIELCh	42, 50.448, 148.511
Yxy	12.7571, 0.2736, 0.5051
Android (android.graphics.Color)	4278219830 (0xFF007436)
YUV	74.2480, -9.9823, -65.1155
Hunter-Lab	35.7171, -27.9704, 15.7238

Details

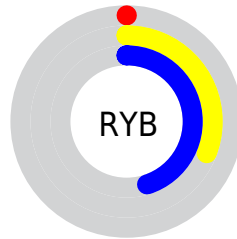
The Yxy color **12.7571, 0.2736, 0.5051** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0611, 0.4735, 0.2382**, and the grayscale version is **6.9198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8311, 0.2874, 0.4546**, and **3.9140, 0.2935, 0.5768** is the 20% darker color. If you saturate the color by 10%, you get **12.7584, 0.2736, 0.5051**, and if you desaturate by 10%, it is **12.8958, 0.2720, 0.4862**.

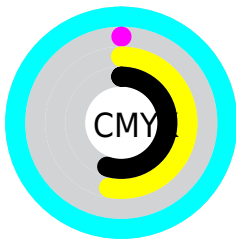
Distribution



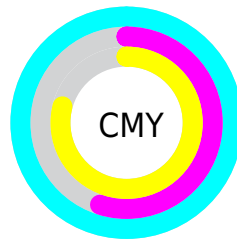
- Red (0%)
- Green (45%)
- Blue (21%)



- Red (0%)
- Yellow (31%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7571, 0.2736, 0.5051 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 12.7571, 0.2736, 0.5051 by changing the saturation by 10% instead.


 12.7571, 0.2736,
0.5051


 12.7571, 0.2736,
0.5051


209.3550, 0.3016,
0.3911


 7.2615, 0.2606,
0.5482


 30.8667, 0.2872,
0.4546


 3.6262, 0.2376,
0.6167

 44.2495, 0.2911,
0.4387


 1.4667, 0.1476,
0.8524

 61.0302, 0.2940,
0.4263

 0.2651, 0.0000,
1.0000

 81.5931, 0.2962,
0.4164


 0.0000, 0.0000,
0.0000


 106.3226, 0.2980,
0.4083


 135.6032, 0.2994,

0.4016

 169.8192, 0.3006,
0.3959


 12.7571, 0.2736,
0.5051


 12.7571, 0.2736,
0.5051


 12.7584, 0.2736,
0.5051

 12.8958, 0.2720,
0.4862

 13.0747, 0.2713,
0.4667

 13.3217, 0.2723,
0.4467

 13.6439, 0.2751,
0.4268

 14.0476, 0.2793,
0.4074

■ 14.5383, 0.2847,
0.3891

■ 15.1210, 0.2910,
0.3719

■ 15.8004, 0.2980,
0.3561

■ 16.5809, 0.3053,
0.3419

Harmonies

Analogous

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



12.7571, 0.3712, 0.5280



12.7571, 0.2736, 0.5051



12.7571, 0.1919, 0.3948

Triad

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



12.7571, 0.2736, 0.5051



12.7571, 0.1666, 0.1780



12.7571, 0.5110, 0.3305

Complementary

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



12.7571, 0.2736, 0.5051



4.0611, 0.4735, 0.2382

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.



12.7571, 0.4354, 0.2648



12.7571, 0.2736, 0.5051



12.7571, 0.2272, 0.1817

Square

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



12.7571, 0.2736, 0.5051



12.7571, 0.1407, 0.2063



12.7571, 0.3238, 0.2122



12.7571, 0.5154, 0.4023

Rectangle

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



12.7571, 0.2736, 0.5051



12.7571, 0.1578, 0.3124



12.7571, 0.3238, 0.2122



12.7571, 0.4930, 0.3077

Sweetspot

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



12.7584, 0.2736, 0.5051



26.4938, 0.2905, 0.3732



13.5754, 0.3463, 0.5632



6.2354, 0.2884, 0.3788



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.



12.7584, 0.2736, 0.5051



22.3994, 0.2748, 0.5094



13.6223, 0.2288, 0.3435



4.1239, 0.3060, 0.3406



14.3128, 0.2739, 0.5060



69.5782, 0.2765, 0.5154

Inverse Universe

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



4.0611, 0.4735, 0.2382



7.1120, 0.4783, 0.2408



3.7261, 0.6310, 0.3250



3.7305, 0.3201, 0.3177



4.5533, 0.4746, 0.2388



22.0142, 0.4850, 0.2446

Previews

White Background



This preview shows how the Yxy color 12.7571, 0.2736, 0.5051 looks on a white background.

Color Contrast Check

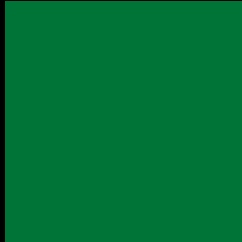
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.7571, 0.2736, 0.5051 looks on a 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 12.7571, 0.2736, 0.5051

Background



This preview shows how black text looks on a background with the Yxy color 12.7571, 0.2736, 0.5051.



This preview shows how white text looks on a background with the Yxy color 12.7571, 0.2736, 0.5051.

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

12.7571, 0.2736, 0.5051

Protanopia

12.7156, 0.4005, 0.4365

Deuteranopia

12.5651, 0.4089, 0.4024



Tritanopia

12.8032, 0.2354, 0.3069

Trichromacy



Original Color

12.7571, 0.2736, 0.5051



Protanomaly

11.8867, 0.3311, 0.4713



Deuteranomaly

11.5737, 0.3343, 0.4473



Tritanomaly

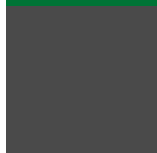
12.6758, 0.2470, 0.3742

Monochromacy



Original Color

12.7571, 0.2736, 0.5051



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

8.1543, 0.2810, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7571, 0.2736, 0.5051 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, 116, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 54)  
}
```

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, 116, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 54) }
```

Border

The CSS property to change the border of an element to Yxy 12.7571, 0.2736, 0.5051 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, 116, 54) }
```

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

```
.border{ border-color:rgb(0, 116, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7571, 0.2736, 0.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 54) }
```

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

```
.background{ background-color: rgb(0, 116,  
54) }
```

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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