

Converting Colors

$Y_{xy}(11.2881, 0.2747, 0.5089)$

Have a look what the booklet for
Yxy(11.2881, 0.2747, 0.5089)
contains.

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Color

Yxy(11.3736, 0.2751, 0.5104)

Conversions

Conversions Part 1

Format	Color
Hex	006E31
RGB	0, 110, 49
RGB Percent	0%, 43%, 19%
CMY	1.0000, 0.5686, 0.8078
CMYK	1.00, 0.00, 0.55, 0.57
HSL	147°, 100%, 22%
HSV	147°, 100%, 43%
XYZ	6.1302, 11.3736, 4.7799
YIQ	70.1560, -45.9790, -42.2910

Conversions

Conversions Part 2

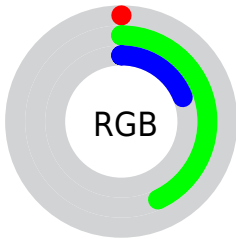
Format	Color
RYB	0, 76, 110
Decimal	28209
CIELab	40.20, -41.74, 26.35
CIELCh	40, 49.358, 147.736
Yxy	11.3736, 0.2751, 0.5104
Android (android.graphics.Color)	4278218289 (0xFF006E31)
YUV	70.1560, -10.4299, -61.5268
Hunter-Lab	33.7248, -26.5719, 15.2041

Details

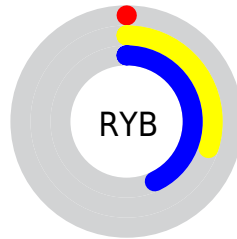
The Yxy color **11.3736, 0.2751, 0.5104** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.6519, 0.4644, 0.2332**, and the grayscale version is **6.1761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4739, 0.2888, 0.4568**, and **3.3419, 0.2981, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **11.3743, 0.2751, 0.5104**, and if you desaturate by 10%, it is **11.5005, 0.2736, 0.4911**.

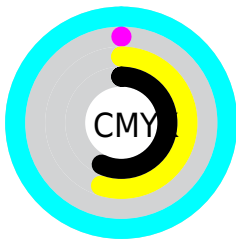
Distribution



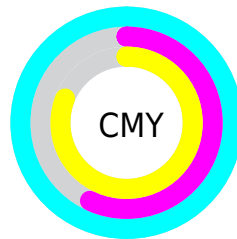
- Red (0%)
- Green (43%)
- Blue (19%)



- Red (0%)
- Yellow (30%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (57%)




- Cyan (100%)
- Magenta (57%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.3736, 0.2751, 0.5104 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 11.3736, 0.2751, 0.5104 by changing the saturation by 10% instead.


 11.3736, 0.2751,
0.5104


 11.3736, 0.2751,
0.5104


200.2130, 0.3028,
0.3913


 6.3187, 0.2614,
0.5569


 28.3490, 0.2889,
0.4569

 3.0398, 0.2382,
0.6375


 41.0383, 0.2927,
0.4403

 1.1526, 0.0453,
0.9547

 57.0411, 0.2955,
0.4275

 0.0224, 0.0000,
1.0000


 76.7420, 0.2977,
0.4172


 0.0000, 0.0000,
0.0000

 100.5252, 0.2994,
0.4089


 128.7752, 0.3007,


0.4020


 161.8763, 0.3019,
0.3962

 11.3736, 0.2751,
0.5104

 11.3736, 0.2751,
0.5104


 11.3743, 0.2751,
0.5104

 11.5005, 0.2736,
0.4911

 11.6622, 0.2729,
0.4711

 11.8847, 0.2739,
0.4505

 12.1744, 0.2765,
0.4299

 12.5366, 0.2806,
0.4100

■ 12.9763, 0.2858,
0.3910

■ 13.4978, 0.2919,
0.3733

■ 14.1054, 0.2986,
0.3570

■ 14.8027, 0.3056,
0.3423

Harmonies

Analogous

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



11.3736, 0.3739, 0.5304



11.3736, 0.2751, 0.5104



11.3736, 0.1917, 0.3993

Triad

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



11.3736, 0.2751, 0.5104



11.3736, 0.1637, 0.1764



11.3736, 0.5130, 0.3282

Complementary

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



11.3736, 0.2751, 0.5104



3.6519, 0.4644, 0.2332

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.



11.3736, 0.4346, 0.2623



11.3736, 0.2751, 0.5104



11.3736, 0.2238, 0.1795

Square

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



11.3736, 0.2751, 0.5104



11.3736, 0.1384, 0.2057



11.3736, 0.3209, 0.2096



11.3736, 0.5190, 0.4006

Rectangle

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



11.3736, 0.2751, 0.5104



11.3736, 0.1567, 0.3149



11.3736, 0.3209, 0.2096



11.3736, 0.4941, 0.3054

Sweetspot

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



11.3743, 0.2751, 0.5104



23.6251, 0.2914, 0.3746



12.1874, 0.3491, 0.5610



5.4282, 0.2894, 0.3801



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.



11.3743, 0.2751, 0.5104



19.9509, 0.2764, 0.5150



12.1250, 0.2301, 0.3485



3.7856, 0.3063, 0.3409



13.6577, 0.2756, 0.5120



67.8665, 0.2783, 0.5218

Inverse Universe

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



3.6519, 0.4644, 0.2332



6.3887, 0.4692, 0.2358



3.3312, 0.6274, 0.3230



3.4296, 0.3197, 0.3174



4.3809, 0.4661, 0.2341



21.6476, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 11.3736, 0.2751, 0.5104 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 11.3736, 0.2751, 0.5104 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 11.3736, 0.2751, 0.5104

Background



This preview shows how black text looks on a background with the Yxy color 11.3736, 0.2751, 0.5104.



This preview shows how white text looks on a background with the Yxy color 11.3736, 0.2751, 0.5104.

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

11.3736, 0.2751, 0.5104

Protanopia

11.3695, 0.4025, 0.4411

Deuteranopia

11.2235, 0.4117, 0.4056



Tritanopia

11.3839, 0.2357, 0.3059

Trichromacy



Original Color

11.3736, 0.2751, 0.5104

Protanomaly

10.5049, 0.3333, 0.4755

Deuteranomaly

10.2138, 0.3371, 0.4505

Tritanomaly

11.2623, 0.2477, 0.3766

Monochromacy



Original Color

11.3736, 0.2751, 0.5104

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.4027, 0.2839, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3736, 0.2751, 0.5104 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, 110, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 49)  
}
```

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, 110, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 49) }
```

Border

The CSS property to change the border of an element to Yxy 11.3736, 0.2751, 0.5104 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, 110, 49) }
```

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

```
.border{ border-color:rgb(0, 110, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 110, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3736, 0.2751, 0.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 49) }
```

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

```
.background{ background-color: rgb(0, 110,  
49) }
```

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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