

Converting Colors

$Y_{xy}(11.8731, 0.2743, 0.5075)$

Have a look what the booklet for
Yxy(11.8731, 0.2743, 0.5075)
contains.

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Color

Yxy(11.8274, 0.2744, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	007033
RGB	0, 112, 51
RGB Percent	0%, 44%, 20%
CMY	0.9996, 0.5608, 0.8001
CMYK	1.00, 0.00, 0.54, 0.56
HSL	147°, 100%, 22%
HSV	147°, 100%, 44%
XYZ	6.3924, 11.8274, 5.0762
YIQ	71.5580, -47.1710, -42.7150

Conversions

Conversions Part 2

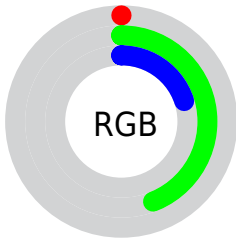
Format	Color
RYB	0, 77, 112
Decimal	28723
CIELab	40.94, -42.10, 26.19
CIELCh	41, 49.580, 148.112
Yxy	11.8274, 0.2744, 0.5077
Android (android.graphics.Color)	4278218803 (0xFF007033)
YUV	71.5580, -10.1351, -62.7564
Hunter-Lab	34.3910, -27.0055, 15.3223

Details

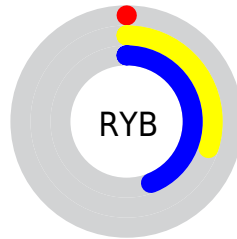
The Yxy color **11.8274, 0.2744, 0.5077** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.7853, 0.4682, 0.2354**, and the grayscale version is **6.4299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2670, 0.2883, 0.4553**, and **3.5660, 0.2955, 0.5839** is the 20% darker color. If you saturate the color by 10%, you get **11.8267, 0.2744, 0.5079**, and if you desaturate by 10%, it is **11.9579, 0.2728, 0.4886**.

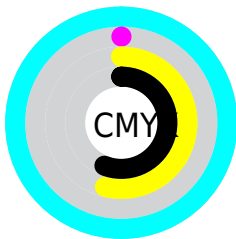
Distribution



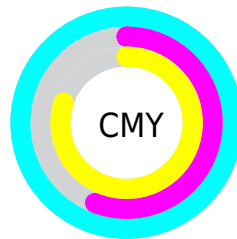
- Red (0%)
- Green (44%)
- Blue (20%)



- Red (0%)
- Yellow (30%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8274, 0.2744, 0.5077 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 11.8274, 0.2744, 0.5077 by changing the saturation by 10% instead.


 11.8274, 0.2744,
0.5077


 11.8274, 0.2744,
0.5077


203.2593, 0.3023,
0.3909


 6.6263, 0.2610,
0.5528


 29.1804, 0.2881,
0.4555


 3.2295, 0.2375,
0.6278

 42.1010, 0.2920,
0.4392

 1.2527, 0.0897,
0.9103

 58.3635, 0.2948,
0.4266

 0.1041, 0.0000,
1.0000


 78.3524, 0.2970,
0.4165

 0.0000, 0.0000,
0.0000


 102.4520, 0.2988,
0.4083

 131.0468, 0.3002,

0.4015


 164.5211, 0.3013,
0.3958


 11.8274, 0.2744,
0.5077


 11.8274, 0.2744,
0.5077


 11.8267, 0.2744,
0.5079

 11.9579, 0.2728,
0.4886

 12.1258, 0.2721,
0.4688

 12.3569, 0.2732,
0.4485

 12.6578, 0.2759,
0.4282

 13.0341, 0.2801,
0.4086

■ 13.4909, 0.2854,
0.3899

■ 14.0329, 0.2916,
0.3725

■ 14.6643, 0.2984,
0.3565

■ 15.3892, 0.3055,
0.3419

Harmonies

Analogous

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



11.8274, 0.3726, 0.5292



11.8274, 0.2744, 0.5077



11.8274, 0.1918, 0.3971

Triad

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



11.8274, 0.2744, 0.5077



11.8274, 0.1651, 0.1773



11.8274, 0.5120, 0.3294

Complementary

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



11.8274, 0.2744, 0.5077



3.7853, 0.4682, 0.2354

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.



11.8274, 0.4349, 0.2636



11.8274, 0.2744, 0.5077



11.8274, 0.2255, 0.1806

Square

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



11.8274, 0.2744, 0.5077



11.8274, 0.1396, 0.2060



11.8274, 0.3223, 0.2109



11.8274, 0.5172, 0.4014

Rectangle

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



11.8274, 0.2744, 0.5077



11.8274, 0.1573, 0.3137



11.8274, 0.3223, 0.2109



11.8274, 0.4935, 0.3066

Sweetspot

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



11.8279, 0.2744, 0.5077



24.5624, 0.2910, 0.3739



12.6013, 0.3466, 0.5629



5.8233, 0.2889, 0.3795



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.8279, 0.2744, 0.5077



20.7524, 0.2757, 0.5124



12.6380, 0.2288, 0.3434



3.7861, 0.3062, 0.3407



13.6679, 0.2748, 0.5091



67.9162, 0.2775, 0.5188

Inverse Universe

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



3.7853, 0.4682, 0.2354



6.6199, 0.4732, 0.2380



3.4595, 0.6304, 0.3248



3.4291, 0.3198, 0.3176



4.3681, 0.4698, 0.2361



21.5836, 0.4803, 0.2419

Previews

White Background



This preview shows how the Yxy color 11.8274, 0.2744, 0.5077 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 11.8274, 0.2744, 0.5077 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 11.8274, 0.2744, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 11.8274, 0.2744, 0.5077.



This preview shows how white text looks on a background with the Yxy color 11.8274, 0.2744, 0.5077.

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

11.8274, 0.2744, 0.5077

Protanopia

11.8724, 0.4010, 0.4396

Deuteranopia

11.7217, 0.4099, 0.4045



Tritanopia

11.8535, 0.2358, 0.3062

Trichromacy



Original Color

11.8274, 0.2744, 0.5077

Protanomaly

10.9451, 0.3317, 0.4734

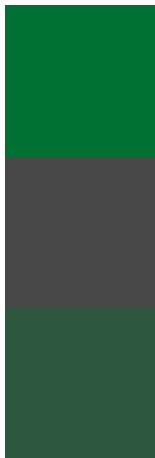
Deuteranomaly

10.6459, 0.3352, 0.4487

Tritanomaly

11.7273, 0.2477, 0.3757

Monochromacy



Original Color

11.8274, 0.2744, 0.5077

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.7674, 0.2831, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8274, 0.2744, 0.5077 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, 112, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 51)  
}
```

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, 112, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 51) }
```

Border

The CSS property to change the border of an element to Yxy 11.8274, 0.2744, 0.5077 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, 112, 51) }
```

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

```
.border{ border-color:rgb(0, 112, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8274, 0.2744, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 51) }
```

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

```
.background{ background-color: rgb(0, 112,  
51) }
```

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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