

Converting Colors

$Y_{xy}(8.9400, 0.1727, 0.4710)$

Have a look what the booklet for
Yxy(8.9400, 0.1727, 0.4710)
contains.

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Color

Yxy(10.2940, 0.2574, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	006842
RGB	0, 104, 66
RGB Percent	0%, 41%, 26%
CMY	0.9996, 0.5922, 0.7412
CMYK	1.00, 0.00, 0.37, 0.59
HSL	158°, 100%, 20%
HSV	158°, 100%, 41%
XYZ	5.9343, 10.2940, 6.8265
YIQ	68.5720, -49.7860, -33.8660

Conversions

Conversions Part 2

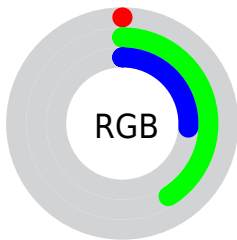
Format	Color
RYB	0, 64, 104
Decimal	26690
CIELab	38.36, -35.97, 14.28
CIELCh	38, 38.705, 158.350
Yxy	10.2940, 0.2574, 0.4465
Android (android.graphics.Color)	4278216770 (0xFF006842)
YUV	68.5720, -1.2680, -60.1376
Hunter-Lab	32.0843, -23.1320, 9.8439

Details

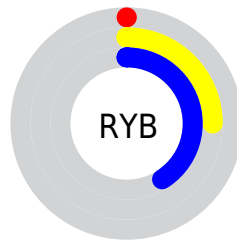
The Yxy color **10.2940, 0.2574, 0.4465** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.0859, 0.5380, 0.2739**, and the grayscale version is **5.8910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3314, 0.2741, 0.4119**, and **2.8902, 0.2731, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **10.2933, 0.2574, 0.4466**, and if you desaturate by 10%, it is **10.4079, 0.2572, 0.4331**.

Distribution



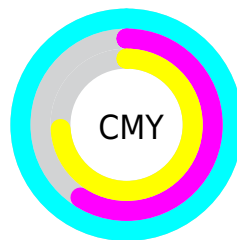
- Red (0%)
- Green (41%)
- Blue (26%)



- Red (0%)
- Yellow (25%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2940, 0.2574, 0.4465 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 10.2940, 0.2574, 0.4465 by changing the saturation by 10% instead.


 10.2940, 0.2574,
0.4465


 10.2940, 0.2574,
0.4465


192.7577, 0.2937,
0.3694


 5.5943, 0.2429,
0.4775

 26.3470, 0.2738,
0.4117


 2.6000, 0.2184,
0.5295


 38.4692, 0.2788,
0.4010

 0.9267, 0.0021,
0.9873

 53.8343, 0.2827,
0.3927


 0.0000, 0.0000,
0.0000

 72.8267, 0.2858,
0.3861


 95.8309, 0.2883,
0.3808


 123.2312, 0.2904,


0.3763

 155.4120, 0.2922,
0.3726


 10.2940, 0.2574,
0.4465

 10.2940, 0.2574,
0.4465


 10.2933, 0.2574,
0.4466

 10.4079, 0.2572,
0.4331

 10.5479, 0.2579,
0.4197

 10.7381, 0.2603,
0.4064

 10.9837, 0.2645,
0.3933

 11.2894, 0.2702,
0.3807

■ 11.6592, 0.2771,
0.3687

■ 12.0968, 0.2851,
0.3575

■ 12.6057, 0.2939,
0.3471

■ 13.1891, 0.3032,
0.3375

Harmonies

Analogous

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



10.2940, 0.3395, 0.4941



10.2940, 0.2574, 0.4465



10.2940, 0.1950, 0.3505

Triad

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



10.2940, 0.2574, 0.4465



10.2940, 0.2015, 0.1975



10.2940, 0.4861, 0.3549

Complementary

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



10.2940, 0.2574, 0.4465



3.0859, 0.5380, 0.2739

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.



10.2940, 0.4401, 0.2940



10.2940, 0.2574, 0.4465



10.2940, 0.2654, 0.2083

Square

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



10.2940, 0.2574, 0.4465



10.2940, 0.1685, 0.2140



10.2940, 0.3537, 0.2424



10.2940, 0.4750, 0.4184

Rectangle

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



10.2940, 0.2574, 0.4465



10.2940, 0.1717, 0.2893



10.2940, 0.3537, 0.2424



10.2940, 0.4770, 0.3340

Sweetspot

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



10.2944, 0.2574, 0.4465



21.1454, 0.2844, 0.3585



10.3166, 0.3241, 0.5807



5.0986, 0.2818, 0.3619



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.2944, 0.2574, 0.4465



18.0370, 0.2584, 0.4502



8.3372, 0.2135, 0.2886



3.1691, 0.3042, 0.3366



12.6825, 0.2578, 0.4480



65.9737, 0.2599, 0.4557

Inverse Universe

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



3.0859, 0.5380, 0.2739



5.3889, 0.5452, 0.2777



3.2561, 0.6211, 0.3448



2.8615, 0.3221, 0.3215



3.7949, 0.5411, 0.2754



19.6365, 0.5558, 0.2835

Previews

White Background



This preview shows how the Yxy color 10.2940, 0.2574, 0.4465 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 10.2940, 0.2574, 0.4465 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 10.2940, 0.2574, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 10.2940, 0.2574, 0.4465.



This preview shows how white text looks on a background with the Yxy color 10.2940, 0.2574, 0.4465.

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

10.2940, 0.2574, 0.4465

Protanopia

10.2352, 0.3730, 0.4015

Deuteranopia

10.3228, 0.3733, 0.3685



Tritanopia

10.3785, 0.2334, 0.3075

Trichromacy



Original Color

10.2940, 0.2574, 0.4465

Protanomaly

9.5564, 0.3083, 0.4240

Deuteranomaly

9.4517, 0.3065, 0.3967

Tritanomaly

10.2743, 0.2403, 0.3546

Monochromacy



Original Color

10.2940, 0.2574, 0.4465

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.9874, 0.2736, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2940, 0.2574, 0.4465 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, 104, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 66)  
}
```

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, 104, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 66) }
```

Border

The CSS property to change the border of an element to Yxy 10.2940, 0.2574, 0.4465 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, 104, 66) }
```

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

```
.border{ border-color:rgb(0, 104, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 104, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2940, 0.2574, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 66) }
```

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

```
.background{ background-color: rgb(0, 104,  
66) }
```

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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