

Converting Colors

$Y_{xy}(10.2957, 0.2733, 0.5299)$

Have a look what the booklet for
Yxy(10.2957, 0.2733, 0.5299)
contains.

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Color

Yxy(10.4682, 0.2798, 0.5274)

Conversions

Conversions Part 1

Format	Color
Hex	006A29
RGB	0, 106, 41
RGB Percent	0%, 42%, 16%
CMY	1.0000, 0.5843, 0.8392
CMYK	1.00, 0.00, 0.61, 0.58
HSL	143°, 100%, 21%
HSV	143°, 100%, 42%
XYZ	5.5537, 10.4682, 3.8268
YIQ	66.8960, -42.3110, -42.6870

Conversions

Conversions Part 2

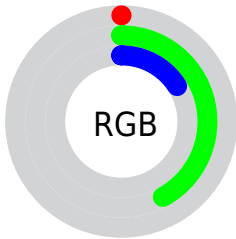
Format	Color
RYB	0, 76, 106
Decimal	27177
CIELab	38.67, -41.62, 28.75
CIELCh	39, 50.586, 145.371
Yxy	10.4682, 0.2798, 0.5274
Android (android.graphics.Color)	4278217257 (0xFF006A29)
YUV	66.8960, -12.7667, -58.6678
Hunter-Lab	32.3546, -25.9810, 15.6355

Details

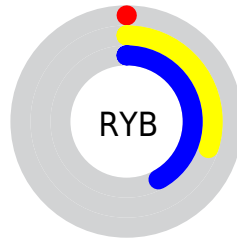
The Yxy color **10.4682, 0.2798, 0.5274** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.4460, 0.4409, 0.2203**, and the grayscale version is **5.6219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5360, 0.2940, 0.4682**, and **2.9263, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.4692, 0.2798, 0.5274**, and if you desaturate by 10%, it is **10.5868, 0.2783, 0.5071**.

Distribution



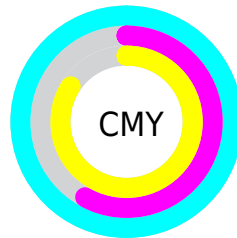
- Red (0%)
- Green (42%)
- Blue (16%)



- Red (0%)
- Yellow (30%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4682, 0.2798, 0.5274 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 10.4682, 0.2798, 0.5274 by changing the saturation by 10% instead.


 10.4682, 0.2798,
0.5274


 10.4682, 0.2798,
0.5274


193.9818, 0.3058,
0.3958


 5.7105, 0.2652,
0.5794

 26.6725, 0.2935,
0.4678


 2.6698, 0.2467,
0.6910

 38.8878, 0.2971,
0.4495

 0.9619, 0.0000,
1.0000

 54.3579, 0.2996,
0.4353

 0.0000, 0.0000,
0.0000


 73.4670, 0.3015,
0.4241


 96.5995, 0.3030,
0.4150


 124.1399, 0.3041,

0.4075

 156.4725, 0.3050,
0.4012


 10.4682, 0.2798,
0.5274


 10.4682, 0.2798,
0.5274


 10.4692, 0.2798,
0.5274

 10.5868, 0.2783,
0.5071

 10.7371, 0.2774,
0.4856

 10.9446, 0.2782,
0.4632

 11.2151, 0.2805,
0.4406

 11.5537, 0.2841,
0.4185

■ 11.9650, 0.2888,
0.3975

■ 12.4530, 0.2942,
0.3779

■ 13.0215, 0.3001,
0.3599

■ 13.6741, 0.3064,
0.3436

Harmonies

Analogous

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



10.4682, 0.3825, 0.5375



10.4682, 0.2798, 0.5274



10.4682, 0.1911, 0.4141

Triad

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



10.4682, 0.2798, 0.5274



10.4682, 0.1545, 0.1713



10.4682, 0.5194, 0.3210

Complementary

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



10.4682, 0.2798, 0.5274



3.4460, 0.4409, 0.2203

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.



10.4682, 0.4319, 0.2540



10.4682, 0.2798, 0.5274



10.4682, 0.2133, 0.1723

Square

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



10.4682, 0.2798, 0.5274



10.4682, 0.1311, 0.2039



10.4682, 0.3117, 0.2013



10.4682, 0.5302, 0.3949

Rectangle

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



10.4682, 0.2798, 0.5274



10.4682, 0.1531, 0.3229



10.4682, 0.3117, 0.2013



10.4682, 0.4976, 0.2978

Sweetspot

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



10.4692, 0.2798, 0.5274



21.7772, 0.2937, 0.3795



11.4454, 0.3568, 0.5549



5.0378, 0.2920, 0.3853



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.



10.4692, 0.2798, 0.5274



18.3506, 0.2812, 0.5322



11.1106, 0.2344, 0.3638



3.4624, 0.3070, 0.3420



12.9850, 0.2804, 0.5294



66.0049, 0.2832, 0.5396

Inverse Universe

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



3.4460, 0.4409, 0.2203



6.0244, 0.4450, 0.2225



3.0919, 0.6171, 0.3173



3.1450, 0.3189, 0.3163



4.2695, 0.4426, 0.2212



21.5812, 0.4515, 0.2261

Previews

White Background



This preview shows how the Yxy color 10.4682, 0.2798, 0.5274 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 10.4682, 0.2798, 0.5274 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 10.4682, 0.2798, 0.5274

Background



This preview shows how black text looks on a background with the Yxy color 10.4682, 0.2798, 0.5274.



This preview shows how white text looks on a background with the Yxy color 10.4682, 0.2798, 0.5274.

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

10.4682, 0.2798, 0.5274

Protanopia

10.3824, 0.4091, 0.4498

Deuteranopia

10.4664, 0.4204, 0.4150



Tritanopia

10.4775, 0.2370, 0.3077

Trichromacy



Original Color

10.4682, 0.2798, 0.5274

Protanomaly

9.5957, 0.3395, 0.4901

Deuteranomaly

9.5345, 0.3441, 0.4638

Tritanomaly

10.3603, 0.2510, 0.3844

Monochromacy



Original Color

10.4682, 0.2798, 0.5274

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.7039, 0.2858, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4682, 0.2798, 0.5274 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, 106, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 41)  
}
```

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, 106, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 41) }
```

Border

The CSS property to change the border of an element to Yxy 10.4682, 0.2798, 0.5274 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, 106, 41) }
```

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

```
.border{ border-color:rgb(0, 106, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4682, 0.2798, 0.5274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 41) }
```

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

```
.background{ background-color: rgb(0, 106,  
41) }
```

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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