

Converting Colors

$Y_{xy}(9.8098, 0.2411, 0.5193)$

Have a look what the booklet for
Yxy(9.8098, 0.2411, 0.5193)
contains.

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Color

Yxy(10.3249, 0.2730, 0.5028)

Conversions

Conversions Part 1

Format	Color
Hex	006931
RGB	0, 105, 49
RGB Percent	0%, 41%, 19%
CMY	1.0000, 0.5882, 0.8078
CMYK	1.00, 0.00, 0.53, 0.59
HSL	148°, 100%, 21%
HSV	148°, 100%, 41%
XYZ	5.6060, 10.3249, 4.6039
YIQ	67.2210, -44.6040, -39.6760

Conversions

Conversions Part 2

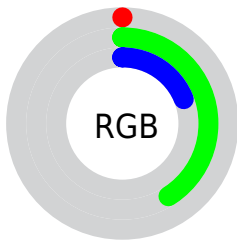
Format	Color
RYB	0, 72, 105
Decimal	26929
CIELab	38.42, -39.94, 24.15
CIELCh	38, 46.671, 148.838
Yxy	10.3249, 0.2730, 0.5028
Android (android.graphics.Color)	4278217009 (0xFF006931)
YUV	67.2210, -8.9830, -58.9528
Hunter-Lab	32.1324, -25.0895, 13.9976

Details

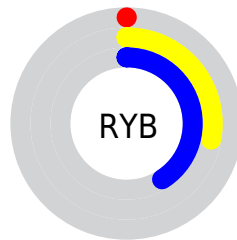
The Yxy color **10.3249, 0.2730, 0.5028** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.2888, 0.4719, 0.2373**, and the grayscale version is **5.6699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2981, 0.2875, 0.4509**, and **2.8349, 0.2966, 0.5877** is the 20% darker color. If you saturate the color by 10%, you get **10.3253, 0.2730, 0.5028**, and if you desaturate by 10%, it is **10.4434, 0.2717, 0.4840**.

Distribution



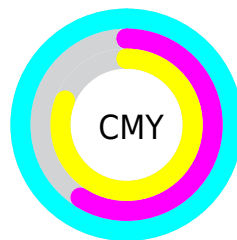
- Red (0%)
- Green (41%)
- Blue (19%)



- Red (0%)
- Yellow (28%)
- Blue (41%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3249, 0.2730, 0.5028 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 10.3249, 0.2730, 0.5028 by changing the saturation by 10% instead.


 10.3249, 0.2730,
0.5028


 10.3249, 0.2730,
0.5028


192.9755, 0.3019,
0.3875


 5.6149, 0.2588,
0.5493

 26.4048, 0.2873,
0.4504


 2.6124, 0.2356,
0.6351


 38.5436, 0.2913,
0.4343

 0.9329, 0.0000,
1.0000

 53.9273, 0.2942,
0.4220


 0.0000, 0.0000,
0.0000


 72.9405, 0.2965,
0.4122


 95.9675, 0.2982,
0.4043


 123.3928, 0.2997,


0.3977


 155.6006, 0.3009,
0.3922

 10.3249, 0.2730,
0.5028


 10.3249, 0.2730,
0.5028


 10.3253, 0.2730,
0.5028

 10.4434, 0.2717,
0.4840

 10.5914, 0.2712,
0.4646

 10.7937, 0.2724,
0.4449

 11.0559, 0.2753,
0.4252

 11.3828, 0.2795,
0.4062

■ 11.7788, 0.2850,
0.3881

■ 12.2476, 0.2912,
0.3713

■ 12.7930, 0.2981,
0.3558

■ 13.4184, 0.3053,
0.3417

Harmonies

Analogous

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



10.3249, 0.3700, 0.5269



10.3249, 0.2730, 0.5028



10.3249, 0.1920, 0.3930

Triad

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



10.3249, 0.2730, 0.5028



10.3249, 0.1679, 0.1788



10.3249, 0.5101, 0.3314

Complementary

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



10.3249, 0.2730, 0.5028



3.2888, 0.4719, 0.2373

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.



10.3249, 0.4356, 0.2659



10.3249, 0.2730, 0.5028



10.3249, 0.2286, 0.1827

Square

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



10.3249, 0.2730, 0.5028



10.3249, 0.1417, 0.2066



10.3249, 0.3249, 0.2133



10.3249, 0.5139, 0.4030

Rectangle

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



10.3249, 0.2730, 0.5028



10.3249, 0.1583, 0.3115



10.3249, 0.3249, 0.2133



10.3249, 0.4924, 0.3088

Sweetspot

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



10.3253, 0.2730, 0.5028



21.8523, 0.2907, 0.3727



10.9443, 0.3447, 0.5645



5.0566, 0.2887, 0.3777



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.



10.3253, 0.2730, 0.5028



18.4642, 0.2744, 0.5077



11.0530, 0.2273, 0.3384



3.4661, 0.3061, 0.3403



13.0660, 0.2736, 0.5049



66.4046, 0.2763, 0.5148

Inverse Universe

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



3.2888, 0.4719, 0.2373



5.8645, 0.4772, 0.2403



3.0110, 0.6333, 0.3262



3.1412, 0.3199, 0.3179



4.1566, 0.4742, 0.2386



21.0028, 0.4853, 0.2447

Previews

White Background



This preview shows how the Yxy color 10.3249, 0.2730, 0.5028 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 10.3249, 0.2730, 0.5028 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 10.3249, 0.2730, 0.5028

Background



This preview shows how black text looks on a background with the Yxy color 10.3249, 0.2730, 0.5028.



This preview shows how white text looks on a background with the Yxy color 10.3249, 0.2730, 0.5028.

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

10.3249, 0.2730, 0.5028

Protanopia

10.3733, 0.3986, 0.4375

Deuteranopia

10.2369, 0.4075, 0.4002



Tritanopia

10.4566, 0.2362, 0.3076

Trichromacy



Original Color

10.3249, 0.2730, 0.5028

Protanomaly

9.6530, 0.3307, 0.4701

Deuteranomaly

9.3787, 0.3342, 0.4439

Tritanomaly

10.1989, 0.2469, 0.3726

Monochromacy



Original Color

10.3249, 0.2730, 0.5028

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.7247, 0.2830, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3249, 0.2730, 0.5028 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, 105, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 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, 105, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 49) }
```

Border

The CSS property to change the border of an element to Yxy 10.3249, 0.2730, 0.5028 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, 105, 49) }
```

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

```
.border{ border-color:rgb(0, 105, 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, 105, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 105, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3249, 0.2730, 0.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 49) }
```

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

```
.background{ background-color: rgb(0, 105,  
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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