

Converting Colors

$Yxy(27.8478, 0.2705, 0.4937)$

Have a look what the booklet for
Yxy(27.8478, 0.2705, 0.4937)
contains.

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Color

Yxy(27.9443, 0.2704, 0.4933)

Conversions

Conversions Part 1

Format	Color
Hex	00A656
RGB	0, 166, 86
RGB Percent	0%, 65%, 34%
CMY	0.9990, 0.3490, 0.6628
CMYK	1.00, 0.00, 0.48, 0.35
HSL	151°, 100%, 33%
HSV	151°, 100%, 65%
XYZ	15.3175, 27.9443, 13.3858
YIQ	107.2460, -73.2560, -60.0720

Conversions

Conversions Part 2

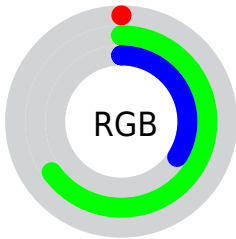
Format	Color
RYB	0, 109, 166
Decimal	42582
CIELab	59.84, -54.79, 31.31
CIELCh	60, 63.109, 150.257
Yxy	27.9443, 0.2704, 0.4933
Android (android.graphics.Color)	4278232662 (0xFF00A656)
YUV	107.2460, -10.4743, -94.0547
Hunter-Lab	52.8624, -40.7865, 21.9902

Details

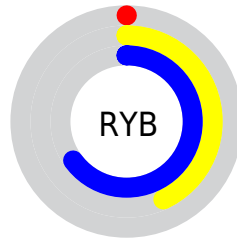
The Yxy color **27.9443, 0.2704, 0.4933** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.6958, 0.5011, 0.2535**, and the grayscale version is **14.8416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2224, 0.2816, 0.4543**, and **11.7283, 0.2838, 0.5418** is the 20% darker color. If you saturate the color by 10%, you get **27.9418, 0.2704, 0.4936**, and if you desaturate by 10%, it is **28.1981, 0.2680, 0.4757**.

Distribution



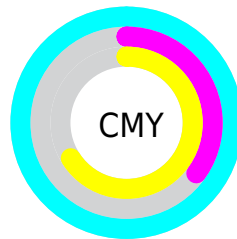
- Red (0%)
- Green (65%)
- Blue (34%)



- Red (0%)
- Yellow (43%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9443, 0.2704, 0.4933 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 27.9443, 0.2704, 0.4933 by changing the saturation by 10% instead.


 27.9443, 0.2704,
0.4933


 27.9443, 0.2704,
0.4933


292.2007, 0.2973,
0.3973


 18.2837, 0.2611,
0.5228


 56.3955, 0.2819,
0.4546

 11.1538, 0.2471,
0.5642


 75.9549, 0.2857,
0.4412


 6.1704, 0.2244,
0.6256

 99.5826, 0.2886,
0.4304

 2.9490, 0.1922,
0.7559

 127.6631, 0.2910,
0.4215

 1.1052, 0.0000,
1.0000

 160.5808, 0.2930,
0.4140

 0.0000, 0.0000,
0.0000

 198.7200, 0.2947,

0.4076

242.4652, 0.2961,
0.4021

■ 27.9443, 0.2704,
0.4933

■ 27.9443, 0.2704,
0.4933

■ 27.9418, 0.2704,
0.4936

■ 28.1981, 0.2680,
0.4757

■ 28.5626, 0.2671,
0.4574

■ 29.0781, 0.2681,
0.4387

■ 29.7623, 0.2710,
0.4201

■ 30.6306, 0.2756,
0.4020

■ 31.6965, 0.2815,
0.3849

■ 32.9721, 0.2885,
0.3689

■ 34.4685, 0.2962,
0.3542

■ 36.1962, 0.3044,
0.3408

Harmonies

Analogous

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



27.9443, 0.3651, 0.5222



27.9443, 0.2704, 0.4933



27.9443, 0.1924, 0.3853

Triad

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



27.9443, 0.2704, 0.4933



27.9443, 0.1732, 0.1818



27.9443, 0.5063, 0.3354

Complementary

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



27.9443, 0.2704, 0.4933



8.6958, 0.5011, 0.2535

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.



27.9443, 0.4367, 0.2706



27.9443, 0.2704, 0.4933



27.9443, 0.2346, 0.1868

Square

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



27.9443, 0.2704, 0.4933



27.9443, 0.1460, 0.2077



27.9443, 0.3299, 0.2180



27.9443, 0.5075, 0.4058

Rectangle

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



27.9443, 0.2704, 0.4933



27.9443, 0.1604, 0.3074



27.9443, 0.3299, 0.2180



27.9443, 0.4901, 0.3130

Sweetspot

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



27.9454, 0.2704, 0.4933



59.6637, 0.2880, 0.3700



28.9942, 0.3350, 0.5721



13.1334, 0.2851, 0.3763



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.9454, 0.2704, 0.4933



50.6691, 0.2713, 0.4966



29.0334, 0.2233, 0.3237



8.4701, 0.3049, 0.3401



21.6772, 0.2700, 0.4920



0.5377, 0.2535, 0.4325

Inverse Universe

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



8.6958, 0.5011, 0.2535



15.7261, 0.5055, 0.2559



8.1731, 0.6384, 0.3311



7.6004, 0.3213, 0.3181



6.7467, 0.4994, 0.2525



0.1745, 0.4260, 0.2120

Previews

White Background



This preview shows how the Yxy color 27.9443, 0.2704, 0.4933 looks on a white 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

Black Background



This preview shows how the Yxy color 27.9443, 0.2704, 0.4933 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9443, 0.2704, 0.4933

Background



This preview shows how black text looks on a background with the Yxy color 27.9443, 0.2704, 0.4933.



This preview shows how white text looks on a background with the Yxy color 27.9443, 0.2704, 0.4933.

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

27.9443, 0.2704, 0.4933

Protanopia

27.4641, 0.3957, 0.4295

Deuteranopia

27.4523, 0.4015, 0.3946



Tritanopia

28.0353, 0.2334, 0.3076

Trichromacy



Original Color

27.9443, 0.2704, 0.4933



Protanomaly

25.4940, 0.3248, 0.4621



Deuteranomaly

25.2330, 0.3273, 0.4377



Tritanomaly

27.4568, 0.2436, 0.3694

Monochromacy



Original Color

27.9443, 0.2704, 0.4933



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.5681, 0.2778, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9443, 0.2704, 0.4933 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, 166, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 86)  
}
```

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, 166, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 86) }
```

Border

The CSS property to change the border of an element to Yxy 27.9443, 0.2704, 0.4933 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, 166, 86) }
```

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

```
.border{ border-color:rgb(0, 166, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.9443, 0.2704, 0.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 86) }
```

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

```
.background{ background-color: rgb(0, 166,  
86) }
```

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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