

Converting Colors

$Y_{xy}(26.1421, 0.3008, 0.5532)$

Have a look what the booklet for
Yxy(26.1421, 0.3008, 0.5532)
contains.

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Color

Yxy(26.2006, 0.3008, 0.5536)

Conversions

Conversions Part 1

Format	Color
Hex	2BA12E
RGB	43, 161, 46
RGB Percent	17%, 63%, 18%
CMY	0.8311, 0.3686, 0.8196
CMYK	0.73, 0.00, 0.71, 0.37
HSL	121°, 58%, 40%
HSV	121°, 73%, 63%
XYZ	14.2362, 26.2006, 6.8909
YIQ	112.6080, -33.4130, -60.7810

Conversions

Conversions Part 2

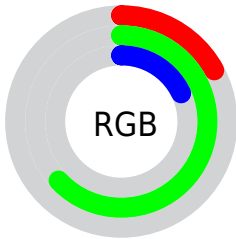
Format	Color
R_{YB}	43, 158, 161
Decimal	2859310
CIE _{Lab}	58.23, -54.41, 48.28
CIE _{LCh}	58, 72.738, 138.418
Yxy	26.2006, 0.3008, 0.5536
Android (android.graphics.Color)	4281049390 (0xFF2BA12E)
YUV	112.6080, -32.8377, -61.0462
Hunter-Lab	51.1865, -39.9314, 27.8487

Details

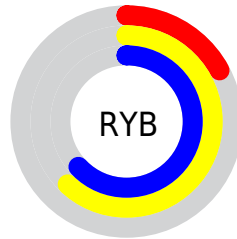
The Yxy color **26.2006, 0.3008, 0.5536** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.7804, 0.3244, 0.1758**, and the grayscale version is **16.5034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6333, 0.3095, 0.5018**, and **10.7251, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **25.8173, 0.3000, 0.5766**, and if you desaturate by 10%, it is **26.7688, 0.3020, 0.5243**.

Distribution



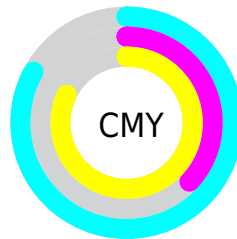
- Red (17%)
- Green (63%)
- Blue (18%)



- Red (17%)
- Yellow (62%)
- Blue (63%)



- Cyan (73%)
- Magenta (0%)
- Yellow (71%)
- Black (37%)




- Cyan (83%)
- Magenta (37%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2006, 0.3008, 0.5536 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 26.2006, 0.3008, 0.5536 by changing the saturation by 10% instead.


 26.2006, 0.3008,
0.5536


 26.2006, 0.3008,
0.5536


283.7654, 0.3156,
0.4221


 16.9738, 0.2920,
0.5923


 53.5984, 0.3094,
0.5011


 10.2158, 0.2765,
0.6442


 72.5381, 0.3115,
0.4828


 5.5423, 0.2566,
0.7398

 95.4843, 0.3130,
0.4679

 2.5688, 0.1867,
0.8133

 122.8213, 0.3139,
0.4555

 0.9110, 0.0000,
1.0000

 154.9335, 0.3146,
0.4451

 0.0000, 0.0000,
0.0000

 192.2054, 0.3151,

0.4363

235.0212, 0.3154,
0.4287

■ 26.2006, 0.3008,
0.5536

■ 26.2006, 0.3008,
0.5536

■ 25.8173, 0.3000,
0.5766

■ 26.7688, 0.3020,
0.5243

■ 25.5931, 0.2997,
0.5917

■ 27.5374, 0.3036,
0.4911

■ 25.4982, 0.2995,
0.5981

■ 28.5242, 0.3053,
0.4565

■ 29.7439, 0.3071,
0.4227

■ 31.2100, 0.3089,
0.3910

■ 32.9350, 0.3107,
0.3622

■ 34.9306, 0.3122,
0.3366

■ 37.2077, 0.3137,
0.3143

■ 39.7767, 0.3149,
0.2949

Harmonies

Analogous

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



26.2006, 0.4072, 0.5358



26.2006, 0.3008, 0.5536



26.2006, 0.2026, 0.4539

Triad

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



26.2006, 0.3008, 0.5536



26.2006, 0.1392, 0.1685



26.2006, 0.5161, 0.3022

Complementary

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



26.2006, 0.3008, 0.5536



11.7804, 0.3244, 0.1758

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.



26.2006, 0.4095, 0.2357



26.2006, 0.3008, 0.5536



26.2006, 0.1906, 0.1628

Square

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



26.2006, 0.3008, 0.5536



26.2006, 0.1229, 0.2113



26.2006, 0.2837, 0.1863



26.2006, 0.5456, 0.3765

Rectangle

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



26.2006, 0.3008, 0.5536



26.2006, 0.1566, 0.3538



26.2006, 0.2837, 0.1863



26.2006, 0.4871, 0.2789

Sweetspot

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



26.2017, 0.3008, 0.5536



56.1360, 0.3091, 0.3884



33.0387, 0.4057, 0.4877



12.1555, 0.3087, 0.3961



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



26.2017, 0.3008, 0.5536



45.9499, 0.2998, 0.5872



27.0039, 0.2676, 0.4449



7.8978, 0.3113, 0.3516



20.3659, 0.2994, 0.5979



0.4287, 0.2967, 0.5880

Inverse Universe

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



11.7804, 0.3244, 0.1758



18.6540, 0.3262, 0.1617



10.2308, 0.4336, 0.2483



7.1991, 0.3141, 0.3074



7.9967, 0.3271, 0.1576



0.1689, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 26.2006, 0.3008, 0.5536 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 26.2006, 0.3008, 0.5536 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 26.2006, 0.3008, 0.5536

Background



This preview shows how black text looks on a background with the Yxy color 26.2006, 0.3008, 0.5536.



This preview shows how white text looks on a background with the Yxy color 26.2006, 0.3008, 0.5536.

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

26.2006, 0.3008, 0.5536

Protanopia

25.6864, 0.4261, 0.4692

Deuteranopia

25.6822, 0.4418, 0.4327



Tritanopia

25.9991, 0.2422, 0.3073

Trichromacy



Original Color

26.2006, 0.3008, 0.5536



Protanomaly

24.6794, 0.3687, 0.5077



Deuteranomaly

24.3376, 0.3779, 0.4822



Tritanomaly

25.5911, 0.2654, 0.3966

Monochromacy



Original Color

26.2006, 0.3008, 0.5536



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.7612, 0.3075, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2006, 0.3008, 0.5536 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(43, 161, 46)` looks like.

```
.text, #text, p{  
    color:rgb(43, 161, 46)  
}
```

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(43, 161, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 161, 46) }
```

Border

The CSS property to change the border of an element to Yxy 26.2006, 0.3008, 0.5536 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(43, 161, 46) }
```

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

```
.border{ border-color:rgb(43, 161, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 161, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 161, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 161, 46);  
box-shadow:4px 4px 4px 4px rgb(43, 161,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2006, 0.3008, 0.5536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 161, 46) }
```

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

```
.background{ background-color: rgb(43, 161,  
46) }
```

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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