

Converting Colors

$Yxy(24.1092, 0.2228, 0.5498)$

Have a look what the booklet for
Yxy(24.1092, 0.2228, 0.5498)
contains.

Yxy(26.2829, 0.2781, 0.5211)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(26.2829, 0.2781, 0.5211)$

Conversions

Conversions Part 1

Format	Color
Hex	00A246
RGB	0, 162, 70
RGB Percent	0%, 64%, 27%
CMY	0.9996, 0.3647, 0.7255
CMYK	1.00, 0.00, 0.57, 0.36
HSL	146°, 100%, 32%
HSV	146°, 100%, 64%
XYZ	14.0266, 26.2829, 10.1278
YIQ	103.0740, -67.0200, -62.9560

Conversions

Conversions Part 2

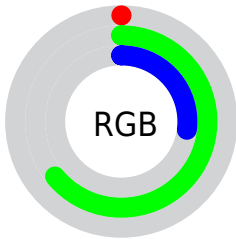
Format	Color
RYB	0, 113, 162
Decimal	41542
CIELab	58.30, -56.05, 37.49
CIELCh	58, 67.436, 146.222
Yxy	26.2829, 0.2781, 0.5211
Android (android.graphics.Color)	4278231622 (0xFF00A246)
YUV	103.0740, -16.3055, -90.3959
Hunter-Lab	51.2669, -40.8793, 24.1740

Details

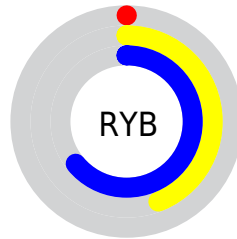
The Yxy color **26.2829, 0.2781, 0.5211** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.4580, 0.4653, 0.2337**, and the grayscale version is **13.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6969, 0.2893, 0.4745**, and **10.9878, 0.2934, 0.5762** is the 20% darker color. If you saturate the color by 10%, you get **26.2827, 0.2781, 0.5212**, and if you desaturate by 10%, it is **26.5214, 0.2754, 0.5017**.

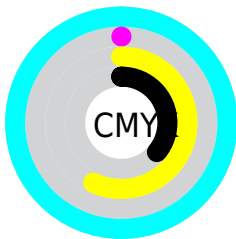
Distribution



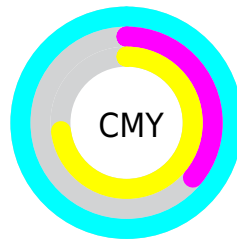
- Red (0%)
- Green (64%)
- Blue (27%)



- Red (0%)
- Yellow (44%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2829, 0.2781, 0.5211 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 26.2829, 0.2781, 0.5211 by changing the saturation by 10% instead.

 26.2829, 0.2781,
0.5211


 26.2829, 0.2781,
0.5211


284.1681, 0.3025,
0.4076


 17.0354, 0.2684,
0.5561


 53.7310, 0.2893,
0.4751


 10.2597, 0.2530,
0.6050


 72.7004, 0.2928,
0.4593


 5.5715, 0.2269,
0.6770

 95.6791, 0.2954,
0.4465

 2.5863, 0.1774,
0.8226

 123.0517, 0.2974,
0.4360

 0.9198, 0.0000,
1.0000

 155.2025, 0.2991,
0.4271

 0.0000, 0.0000,
0.0000

 192.5159, 0.3004,

0.4196

235.3763, 0.3016,
0.4132

■ 26.2829, 0.2781,
0.5211

■ 26.2829, 0.2781,
0.5211

■ 26.2827, 0.2781,
0.5212

■ 26.5214, 0.2754,
0.5017

■ 26.8676, 0.2740,
0.4808

■ 27.3612, 0.2745,
0.4591

■ 28.0192, 0.2768,
0.4372

■ 28.8563, 0.2806,
0.4158

■ 29.8855, 0.2857,
0.3953

■ 31.1183, 0.2918,
0.3763

■ 32.5657, 0.2985,
0.3588

■ 34.2376, 0.3055,
0.3430

Harmonies

Analogous

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



26.2829, 0.3794, 0.5350



26.2829, 0.2781, 0.5211



26.2829, 0.1914, 0.4085

Triad

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



26.2829, 0.2781, 0.5211



26.2829, 0.1578, 0.1732



26.2829, 0.5170, 0.3237

Complementary

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



26.2829, 0.2781, 0.5211



8.4580, 0.4653, 0.2337

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.



26.2829, 0.4329, 0.2570



26.2829, 0.2781, 0.5211



26.2829, 0.2172, 0.1750

Square

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



26.2829, 0.2781, 0.5211



26.2829, 0.1338, 0.2046



26.2829, 0.3151, 0.2043



26.2829, 0.5260, 0.3970

Rectangle

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



26.2829, 0.2781, 0.5211



26.2829, 0.1544, 0.3199



26.2829, 0.3151, 0.2043



26.2829, 0.4963, 0.3006

Sweetspot

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



26.2840, 0.2781, 0.5211



56.3401, 0.2914, 0.3775



28.2497, 0.3493, 0.5608



12.4438, 0.2889, 0.3850



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



26.2840, 0.2781, 0.5211



47.6741, 0.2790, 0.5246



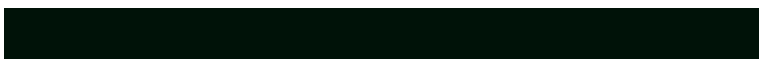
27.9960, 0.2318, 0.3545



7.9435, 0.3060, 0.3420



20.7141, 0.2777, 0.5196



0.4447, 0.2575, 0.4472

Inverse Universe

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



8.4580, 0.4653, 0.2337



15.3076, 0.4688, 0.2356



7.7142, 0.6295, 0.3242



7.1502, 0.3200, 0.3163



6.6699, 0.4638, 0.2329



0.1494, 0.3999, 0.1977

Previews

White Background



This preview shows how the Yxy color 26.2829, 0.2781, 0.5211 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 26.2829, 0.2781, 0.5211 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 26.2829, 0.2781, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 26.2829, 0.2781, 0.5211.



This preview shows how white text looks on a background with the Yxy color 26.2829, 0.2781, 0.5211.

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

26.2829, 0.2781, 0.5211

Protanopia

26.0836, 0.4077, 0.4469

Deuteranopia

25.8712, 0.4179, 0.4105



Tritanopia

26.2268, 0.2347, 0.3071

Trichromacy



Original Color

26.2829, 0.2781, 0.5211



Protanomaly

24.2258, 0.3351, 0.4855



Deuteranomaly

23.6427, 0.3392, 0.4602



Tritanomaly

25.8601, 0.2478, 0.3808

Monochromacy



Original Color

26.2829, 0.2781, 0.5211



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.3289, 0.2827, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2829, 0.2781, 0.5211 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, 162, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 70)  
}
```

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, 162, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 70) }
```

Border

The CSS property to change the border of an element to Yxy 26.2829, 0.2781, 0.5211 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, 162, 70) }
```

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

```
.border{ border-color:rgb(0, 162, 70) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 70)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.2829, 0.2781, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 70) }
```

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

```
.background{ background-color: rgb(0, 162,  
70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor