

Converting Colors

$Yxy(30.0707, 0.2841, 0.5283)$

Have a look what the booklet for
Yxy(30.0707, 0.2841, 0.5283)
contains.

Yxy(30.1294, 0.2839, 0.5277)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1294, 0.2839, 0.5277)

Conversions

Conversions Part 1

Format	Color
Hex	17AC46
RGB	23, 172, 70
RGB Percent	9%, 67%, 27%
CMY	0.9103, 0.3255, 0.7254
CMYK	0.87, 0.00, 0.59, 0.33
HSL	139°, 77%, 38%
HSV	139°, 87%, 67%
XYZ	16.2095, 30.1294, 10.7568
YIQ	115.8210, -56.0620, -63.3100

Conversions

Conversions Part 2

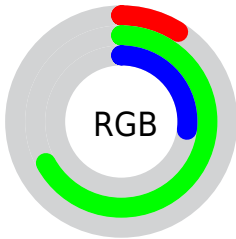
Format	Color
RYB	23, 136, 172
Decimal	1551430
CIELab	61.77, -57.92, 41.62
CIElCh	62, 71.324, 144.299
Yxy	30.1294, 0.2839, 0.5277
Android (android.graphics.Color)	4279741510 (0xFF17AC46)
YUV	115.8210, -22.5898, -81.4040
Hunter-Lab	54.8903, -43.3457, 26.8041

Details

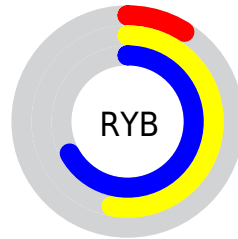
The Yxy color **30.1294, 0.2839, 0.5277** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.8569, 0.4024, 0.2079**, and the grayscale version is **17.4805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0717, 0.2942, 0.4827**, and **12.9973, 0.2955, 0.5836** is the 20% darker color. If you saturate the color by 10%, you get **29.8522, 0.2865, 0.5485**, and if you desaturate by 10%, it is **30.5661, 0.2827, 0.5040**.

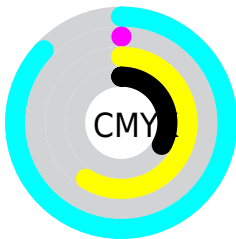
Distribution



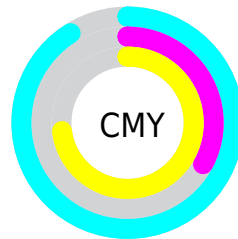
- Red (9%)
- Green (67%)
- Blue (27%)



- Red (9%)
- Yellow (53%)
- Blue (67%)



- Cyan (87%)
- Magenta (0%)
- Yellow (59%)
- Black (33%)



- Cyan (91%)
- Magenta (33%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1294, 0.2839, 0.5277 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 30.1294, 0.2839, 0.5277 by changing the saturation by 10% instead.


 30.1294, 0.2839,
0.5277


 30.1294, 0.2839,
0.5277


302.5071, 0.3054,
0.4127


 19.9368, 0.2751,
0.5617


 59.8668, 0.2940,
0.4819

 12.3491, 0.2612,
0.6082


 80.1803, 0.2970,
0.4659


 6.9819, 0.2377,
0.6736


 104.6364, 0.2993,
0.4529

 3.4508, 0.2026,
0.7974

 133.6192, 0.3011,
0.4421

 1.3714, 0.0000,
1.0000

 167.5134, 0.3025,
0.4330

 0.1955, 0.0000,
1.0000

 206.7031, 0.3036,

 0.0000, 0.0000,

0.4252

0.0000

251.5729, 0.3046,
0.4185

■ 30.1294, 0.2839,
0.5277

■ 30.1294, 0.2839,
0.5277

■ 29.8522, 0.2865,
0.5485

■ 30.5661, 0.2827,
0.5040

■ 29.7773, 0.2874,
0.5548

■ 31.1856, 0.2832,
0.4785

■ 32.0088, 0.2852,
0.4524

■ 33.0525, 0.2886,
0.4267

■ 34.3319, 0.2929,
0.4023

■ 35.8607, 0.2979,
0.3795

■ 37.6515, 0.3033,
0.3588

■ 39.7161, 0.3089,
0.3403

■ 42.0656, 0.3146,
0.3238

Harmonies

Analogous

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



30.1294, 0.3859, 0.5345



30.1294, 0.2839, 0.5277



30.1294, 0.1947, 0.4183

Triad

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



30.1294, 0.2839, 0.5277



30.1294, 0.1541, 0.1728



30.1294, 0.5157, 0.3188

Complementary

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



30.1294, 0.2839, 0.5277



10.8569, 0.4024, 0.2079

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.



30.1294, 0.4268, 0.2524



30.1294, 0.2839, 0.5277



30.1294, 0.2113, 0.1728

Square

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



30.1294, 0.2839, 0.5277



30.1294, 0.1320, 0.2068



30.1294, 0.3077, 0.2007



30.1294, 0.5296, 0.3922

Rectangle

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



30.1294, 0.2839, 0.5277



30.1294, 0.1558, 0.3276



30.1294, 0.3077, 0.2007



30.1294, 0.4933, 0.2957

Sweetspot

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



30.1306, 0.2839, 0.5277



65.1211, 0.2980, 0.3790



34.1016, 0.3707, 0.5333



13.9392, 0.2963, 0.3864



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.1306, 0.2839, 0.5277



53.9805, 0.2883, 0.5578



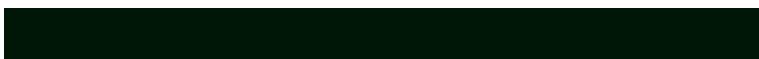
31.6467, 0.2428, 0.3842



8.9795, 0.3075, 0.3449



22.1663, 0.2869, 0.5529



0.6267, 0.2690, 0.4885

Inverse Universe

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



10.8569, 0.4024, 0.2079



18.2271, 0.4222, 0.2100



9.6338, 0.5640, 0.3026



8.1043, 0.3184, 0.3136



7.5041, 0.4188, 0.2081



0.2181, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 30.1294, 0.2839, 0.5277 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1294, 0.2839, 0.5277 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 ✓ Pass

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

Yxy 30.1294, 0.2839, 0.5277

Background



This preview shows how black text looks on a background with the Yxy color 30.1294, 0.2839, 0.5277.



This preview shows how white text looks on a background with the Yxy color 30.1294, 0.2839, 0.5277.

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

30.1294, 0.2839, 0.5277

Protanopia

29.5380, 0.4121, 0.4508

Deuteranopia

29.4380, 0.4229, 0.4150



Tritanopia

29.8853, 0.2358, 0.3066

Trichromacy



Original Color

30.1294, 0.2839, 0.5277



Protanomaly

28.0180, 0.3459, 0.4883



Deuteranomaly

27.2634, 0.3526, 0.4612



Tritanomaly

29.4721, 0.2527, 0.3835

Monochromacy



Original Color

30.1294, 0.2839, 0.5277



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.3030, 0.2919, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1294, 0.2839, 0.5277 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(23, 172, 70)` looks like.

```
.text, #text, p{  
    color:rgb(23, 172, 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(23, 172, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 172, 70) }
```

Border

The CSS property to change the border of an element to Yxy 30.1294, 0.2839, 0.5277 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(23, 172, 70) }
```

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

```
.border{ border-color:rgb(23, 172, 70) }
```

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

Here you see how a box with a 4 pixel rgb(23, 172, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 172, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 172, 70);  
box-shadow:4px 4px 4px 4px rgb(23, 172,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1294, 0.2839, 0.5277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 172, 70) }
```

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

```
.background{ background-color: rgb(23, 172,  
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