

Converting Colors

$Y_{xy}(28.1233, 0.2535, 0.5773)$

Have a look what the booklet for
Yxy(28.1233, 0.2535, 0.5773)
contains.

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Color

Yxy(29.7714, 0.2876, 0.5553)

Conversions

Conversions Part 1

Format	Color
Hex	00AC36
RGB	0, 172, 54
RGB Percent	0%, 67%, 21%
CMY	0.9996, 0.3255, 0.7883
CMYK	1.00, 0.00, 0.69, 0.33
HSL	139°, 100%, 34%
HSV	139°, 100%, 67%
XYZ	15.4192, 29.7714, 8.4226
YIQ	107.1200, -64.6340, -73.1620

Conversions

Conversions Part 2

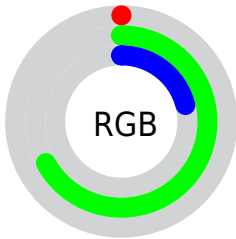
Format	Color
RYB	0, 131, 172
Decimal	44086
CIELab	61.46, -61.17, 48.33
CIELCh	61, 77.957, 141.688
Yxy	29.7714, 0.2876, 0.5553
Android (android.graphics.Color)	4278234166 (0xFF00AC36)
YUV	107.1200, -26.1882, -93.9442
Hunter-Lab	54.5632, -45.0428, 29.0419

Details

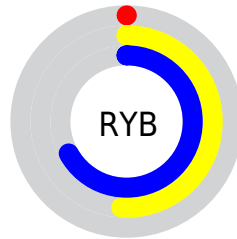
The Yxy color **29.7714, 0.2876, 0.5553** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.0838, 0.4190, 0.2082**, and the grayscale version is **14.8348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4589, 0.2987, 0.5041**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.7713, 0.2876, 0.5554**, and if you desaturate by 10%, it is **30.0187, 0.2848, 0.5355**.

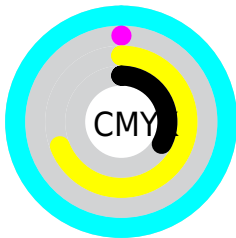
Distribution



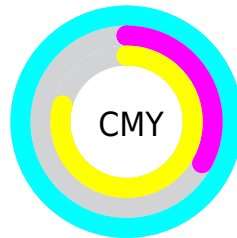
- Red (0%)
- Green (67%)
- Blue (21%)



- Red (0%)
- Yellow (51%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7714, 0.2876, 0.5553 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 29.7714, 0.2876, 0.5553 by changing the saturation by 10% instead.


 29.7714, 0.2876,
0.5553

 29.7714, 0.2876,
0.5553


300.8374, 0.3091,
0.4242

 19.6651, 0.2777,
0.5934


 59.3005, 0.2984,
0.5034


 12.1519, 0.2615,
0.6443


 79.4921, 0.3015,
0.4852

 6.8472, 0.2359,
0.7206


 103.8142, 0.3038,
0.4703

 3.3667, 0.1850,
0.8150

 132.6514, 0.3054,
0.4579

 1.3261, 0.0000,
1.0000

 166.3879, 0.3067,
0.4475

 0.1612, 0.0000,
1.0000

 205.4081, 0.3077,

 0.0000, 0.0000,

0.4386

0.0000

250.0965, 0.3085,
0.4309

■ 29.7714, 0.2876,
0.5553

■ 29.7714, 0.2876,
0.5553

■ 29.7713, 0.2876,
0.5554

■ 30.0187, 0.2848,
0.5355

■ 30.3989, 0.2831,
0.5126

■ 30.9562, 0.2831,
0.4875

■ 31.7114, 0.2846,
0.4614

■ 32.6821, 0.2875,
0.4354

■ 33.8840, 0.2915,
0.4103

■ 35.3311, 0.2963,
0.3869

■ 37.0365, 0.3016,
0.3654

■ 39.0123, 0.3071,
0.3461

Harmonies

Analogous

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



29.7714, 0.3963, 0.5466



29.7714, 0.2876, 0.5553



29.7714, 0.1905, 0.4409

Triad

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



29.7714, 0.2876, 0.5553



29.7714, 0.1398, 0.1631



29.7714, 0.5290, 0.3088

Complementary

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



29.7714, 0.2876, 0.5553



10.0838, 0.4190, 0.2082

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.



29.7714, 0.4261, 0.2403



29.7714, 0.2876, 0.5553



29.7714, 0.1961, 0.1609

Square

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



29.7714, 0.2876, 0.5553



29.7714, 0.1196, 0.2012



29.7714, 0.2957, 0.1878



29.7714, 0.5486, 0.3847

Rectangle

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



29.7714, 0.2876, 0.5553



29.7714, 0.1474, 0.3380



29.7714, 0.2957, 0.1878



29.7714, 0.5024, 0.2850

Sweetspot

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



29.7726, 0.2876, 0.5553



63.9245, 0.2960, 0.3882



33.5300, 0.3676, 0.5463



13.6504, 0.2940, 0.3976



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.



29.7726, 0.2876, 0.5553



53.9732, 0.2885, 0.5584



31.3304, 0.2427, 0.3937



8.9792, 0.3075, 0.3450



22.1632, 0.2871, 0.5536



0.6266, 0.2692, 0.4892

Inverse Universe

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



10.0838, 0.4190, 0.2082



18.2461, 0.4212, 0.2094



8.8914, 0.6062, 0.3114



8.1047, 0.3183, 0.3136



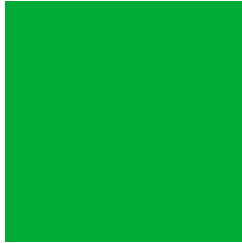
7.5118, 0.4178, 0.2075



0.2183, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 29.7714, 0.2876, 0.5553 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 29.7714, 0.2876, 0.5553 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 29.7714, 0.2876, 0.5553

Background



This preview shows how black text looks on a background with the Yxy color 29.7714, 0.2876, 0.5553.



This preview shows how white text looks on a background with the Yxy color 29.7714, 0.2876, 0.5553.

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

29.7714, 0.2876, 0.5553

Protanopia

29.3844, 0.4228, 0.4667

Deuteranopia

29.2051, 0.4383, 0.4287



Tritanopia

29.8478, 0.2353, 0.3066

Trichromacy



Original Color

29.7714, 0.2876, 0.5553



Protanomaly

27.3475, 0.3474, 0.5147



Deuteranomaly

26.5064, 0.3550, 0.4882



Tritanomaly

29.0799, 0.2530, 0.3962

Monochromacy



Original Color

29.7714, 0.2876, 0.5553



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

18.1661, 0.2884, 0.4272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7714, 0.2876, 0.5553 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, 172, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 54)  
}
```

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, 172, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 54) }
```

Border

The CSS property to change the border of an element to Yxy 29.7714, 0.2876, 0.5553 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, 172, 54) }
```

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

```
.border{ border-color:rgb(0, 172, 54) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 172, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.7714, 0.2876, 0.5553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 54) }
```

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

```
.background{ background-color: rgb(0, 172,  
54) }
```

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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