

Converting Colors

$Y_{xy}(29.2592, 0.2577, 0.5256)$

Have a look what the booklet for
Yxy(29.2592, 0.2577, 0.5256)
contains.

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Color

Yxy(30.0551, 0.2764, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	00AC4E
RGB	0, 172, 78
RGB Percent	0%, 67%, 31%
CMY	1.0000, 0.3255, 0.6941
CMYK	1.00, 0.00, 0.55, 0.33
HSL	147°, 100%, 34%
HSV	147°, 100%, 67%
XYZ	16.1243, 30.0551, 12.1574
YIQ	109.8560, -72.3380, -65.6980

Conversions

Conversions Part 2

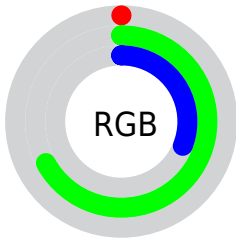
Format	Color
RYB	0, 118, 172
Decimal	44110
CIELab	61.70, -58.13, 37.66
CIELCh	62, 69.265, 147.062
Yxy	30.0551, 0.2764, 0.5152
Android (android.graphics.Color)	4278234190 (0xFF00AC4E)
YUV	109.8560, -15.7050, -96.3437
Hunter-Lab	54.8225, -43.4394, 25.2277

Details

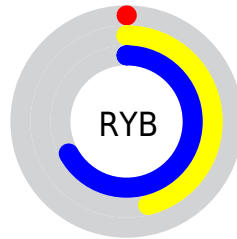
The Yxy color **30.0551, 0.2764, 0.5152** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.5801, 0.4752, 0.2392**, and the grayscale version is **15.6121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9508, 0.2877, 0.4726**, and **13.0407, 0.2909, 0.5672** is the 20% darker color. If you saturate the color by 10%, you get **30.0585, 0.2764, 0.5152**, and if you desaturate by 10%, it is **30.3241, 0.2736, 0.4961**.

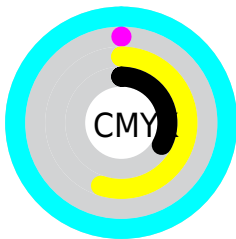
Distribution



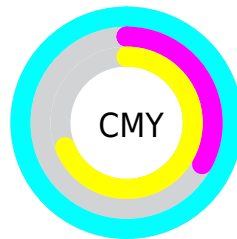
- Red (0%)
- Green (67%)
- Blue (31%)



- Red (0%)
- Yellow (46%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0551, 0.2764, 0.5152 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 30.0551, 0.2764, 0.5152 by changing the saturation by 10% instead.


 30.0551, 0.2764,
0.5152


 30.0551, 0.2764,
0.5152


302.1612, 0.3010,
0.4073


 19.8804, 0.2672,
0.5475


 59.7493, 0.2873,
0.4721


 12.3081, 0.2532,
0.5921


 80.0376, 0.2908,
0.4571

 6.9539, 0.2301,
0.6561


 104.4659, 0.2935,
0.4449

 3.4333, 0.2012,
0.7988

 133.4186, 0.2956,
0.4347

 1.3619, 0.0000,
1.0000

 167.2801, 0.2974,
0.4262

 0.1884, 0.0000,
1.0000

 206.4348, 0.2988,

 0.0000, 0.0000,

0.4190

0.0000

251.2670, 0.3000,
0.4127

■ 30.0551, 0.2764,
0.5152

■ 30.0551, 0.2764,
0.5152

■ 30.0585, 0.2764,
0.5152

■ 30.3241, 0.2736,
0.4961

■ 30.7147, 0.2723,
0.4758

■ 31.2728, 0.2728,
0.4547

■ 32.0182, 0.2752,
0.4335

■ 32.9678, 0.2792,
0.4129

■ 34.1367, 0.2845,
0.3932

■ 35.5383, 0.2908,
0.3748

■ 37.1850, 0.2978,
0.3579

■ 39.0884, 0.3052,
0.3427

Harmonies

Analogous

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



30.0551, 0.3763, 0.5326



30.0551, 0.2764, 0.5152



30.0551, 0.1915, 0.4033

Triad

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



30.0551, 0.2764, 0.5152



30.0551, 0.1610, 0.1749



30.0551, 0.5149, 0.3262

Complementary

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



30.0551, 0.2764, 0.5152



9.5801, 0.4752, 0.2392

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.



30.0551, 0.4339, 0.2599



30.0551, 0.2764, 0.5152



30.0551, 0.2209, 0.1774

Square

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



30.0551, 0.2764, 0.5152



30.0551, 0.1363, 0.2051



30.0551, 0.3183, 0.2072



30.0551, 0.5221, 0.3990

Rectangle

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



30.0551, 0.2764, 0.5152



30.0551, 0.1556, 0.3170



30.0551, 0.3183, 0.2072



30.0551, 0.4952, 0.3032

Sweetspot

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



30.0585, 0.2764, 0.5152



64.3165, 0.2904, 0.3757



31.9203, 0.3440, 0.5651



13.7432, 0.2878, 0.3831



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.



30.0585, 0.2764, 0.5152



54.4809, 0.2773, 0.5183



32.1675, 0.2289, 0.3441



8.9975, 0.3057, 0.3417



22.3766, 0.2759, 0.5133



0.6336, 0.2592, 0.4532

Inverse Universe

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



9.5801, 0.4752, 0.2392



17.3326, 0.4786, 0.2410



8.7905, 0.6344, 0.3268



8.0858, 0.3204, 0.3167



7.1395, 0.4732, 0.2381



0.2095, 0.4157, 0.2063

Previews

White Background



This preview shows how the Yxy color 30.0551, 0.2764, 0.5152 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 30.0551, 0.2764, 0.5152 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 30.0551, 0.2764, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 30.0551, 0.2764, 0.5152.



This preview shows how white text looks on a background with the Yxy color 30.0551, 0.2764, 0.5152.

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

30.0551, 0.2764, 0.5152

Protanopia

29.5145, 0.4056, 0.4432

Deuteranopia

29.4249, 0.4150, 0.4067



Tritanopia

30.1291, 0.2338, 0.3066

Trichromacy



Original Color

30.0551, 0.2764, 0.5152



Protanomaly

27.5380, 0.3320, 0.4821



Deuteranomaly

26.7258, 0.3373, 0.4539



Tritanomaly

29.6795, 0.2465, 0.3778

Monochromacy



Original Color

30.0551, 0.2764, 0.5152



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.9590, 0.2815, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0551, 0.2764, 0.5152 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 78) }
```

Border

The CSS property to change the border of an element to Yxy 30.0551, 0.2764, 0.5152 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, 78) }
```

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

```
.border{ border-color:rgb(0, 172, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 172, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.0551, 0.2764, 0.5152 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, 78) }
```

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

```
.background{ background-color: rgb(0, 172,  
78) }
```

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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