

Converting Colors

$Y_{xy}(27.3031, 0.2904, 0.5309)$

Have a look what the booklet for
Yxy(27.3031, 0.2904, 0.5309)
contains.

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Color

Yxy(27.3031, 0.2904, 0.5309)

Conversions

Conversions Part 1

Format	Color
Hex	25A43F
RGB	37, 164, 63
RGB Percent	15%, 64%, 25%
CMY	0.8551, 0.3568, 0.7528
CMYK	0.77, 0.00, 0.62, 0.36
HSL	132°, 63%, 39%
HSV	132°, 77%, 64%
XYZ	14.9347, 27.3031, 9.1902
YIQ	114.5130, -43.2710, -58.3350

Conversions

Conversions Part 2

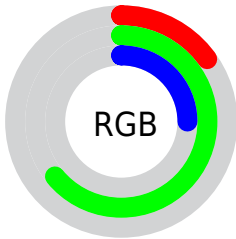
Format	Color
R_{YB}	37, 142, 164
Decimal	2466879
CIE _{Lab}	59.25, -54.56, 42.02
CIE _{LCh}	59, 68.865, 142.400
Yxy	27.3031, 0.2904, 0.5309
Android (android.graphics.Color)	4280656959 (0xFF25A43F)
YUV	114.5130, -25.3959, -67.9789
Hunter-Lab	52.2524, -40.4231, 26.1487

Details

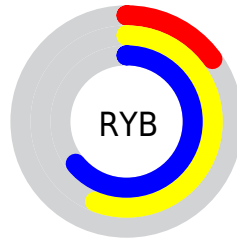
The Yxy color **27.3031, 0.2904, 0.5309** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.0448, 0.3627, 0.1949**, and the grayscale version is **17.0736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2849, 0.2994, 0.4837**, and **11.3842, 0.2980, 0.5928** is the 20% darker color. If you saturate the color by 10%, you get **26.9375, 0.2914, 0.5547**, and if you desaturate by 10%, it is **27.8416, 0.2906, 0.5036**.

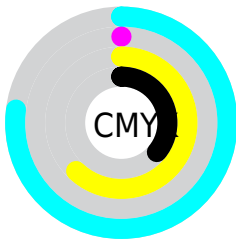
Distribution



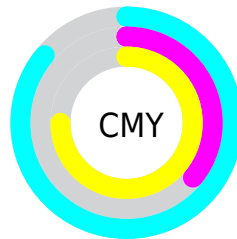
- Red (15%)
- Green (64%)
- Blue (25%)



- Red (15%)
- Yellow (56%)
- Blue (64%)



- Cyan (77%)
- Magenta (0%)
- Yellow (62%)
- Black (36%)





- Cyan (86%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3031, 0.2904, 0.5309 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 27.3031, 0.2904, 0.5309 by changing the saturation by 10% instead.

 27.3031, 0.2904,
0.5309


 27.3031, 0.2904,
0.5309


289.1217, 0.3089,
0.4127


 17.8010, 0.2819,
0.5664


 55.3699, 0.2996,
0.4835

 10.8072, 0.2679,
0.6152


 74.7033, 0.3022,
0.4670


 5.9373, 0.2442,
0.6876

 98.0827, 0.3041,
0.4537

 2.8070, 0.1982,
0.8018

 125.8923, 0.3056,
0.4426

 1.0318, 0.0000,
1.0000

 158.5166, 0.3067,
0.4333

 0.0000, 0.0000,
0.0000

 196.3400, 0.3076,

0.4254

239.7469, 0.3083,
0.4186

■ 27.3031, 0.2904,
0.5309

■ 27.3031, 0.2904,
0.5309

■ 26.9375, 0.2914,
0.5547

■ 27.8416, 0.2906,
0.5036

■ 26.7128, 0.2934,
0.5737

■ 28.5682, 0.2921,
0.4744

■ 26.6664, 0.2938,
0.5778

■ 29.4998, 0.2946,
0.4449

■ 30.6509, 0.2978,
0.4164

■ 32.0343, 0.3016,
0.3898

■ 33.6620, 0.3056,
0.3654

■ 35.5452, 0.3097,
0.3436

■ 37.6943, 0.3137,
0.3244

■ 40.1190, 0.3176,
0.3075

Harmonies

Analogous

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



27.3031, 0.3922, 0.5314



27.3031, 0.2904, 0.5309



27.3031, 0.1997, 0.4268

Triad

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



27.3031, 0.2904, 0.5309



27.3031, 0.1520, 0.1741



27.3031, 0.5117, 0.3145

Complementary

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



27.3031, 0.2904, 0.5309



11.0448, 0.3627, 0.1949

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.



27.3031, 0.4193, 0.2487



27.3031, 0.2904, 0.5309



27.3031, 0.2067, 0.1722

Square

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



27.3031, 0.2904, 0.5309



27.3031, 0.1320, 0.2106



27.3031, 0.3006, 0.1984



27.3031, 0.5306, 0.3874

Rectangle

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



27.3031, 0.2904, 0.5309



27.3031, 0.1589, 0.3357



27.3031, 0.3006, 0.1984



27.3031, 0.4877, 0.2915

Sweetspot

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



27.3042, 0.2904, 0.5309



59.2839, 0.3032, 0.3796



32.1399, 0.3839, 0.5101



12.7474, 0.3018, 0.3882



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.



27.3042, 0.2904, 0.5309



48.5805, 0.2929, 0.5690



28.4484, 0.2524, 0.4035



7.9177, 0.3089, 0.3474



20.4509, 0.2935, 0.5764



0.4358, 0.2763, 0.5146

Inverse Universe

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



11.0448, 0.3627, 0.1949



17.6961, 0.3762, 0.1874



9.7212, 0.4984, 0.2810



7.1771, 0.3167, 0.3113



7.3009, 0.3795, 0.1864



0.1594, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 27.3031, 0.2904, 0.5309 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 27.3031, 0.2904, 0.5309 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 27.3031, 0.2904, 0.5309

Background



This preview shows how black text looks on a background with the Yxy color 27.3031, 0.2904, 0.5309.



This preview shows how white text looks on a background with the Yxy color 27.3031, 0.2904, 0.5309.

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

27.3031, 0.2904, 0.5309

Protanopia

26.9006, 0.4148, 0.4557

Deuteranopia

26.7945, 0.4267, 0.4190



Tritanopia

27.2808, 0.2389, 0.3076

Trichromacy



Original Color

27.3031, 0.2904, 0.5309



Protanomaly

25.7059, 0.3552, 0.4900



Deuteranomaly

25.2725, 0.3614, 0.4645



Tritanomaly

26.9994, 0.2576, 0.3853

Monochromacy



Original Color

27.3031, 0.2904, 0.5309



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.6458, 0.2995, 0.4078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3031, 0.2904, 0.5309 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(37, 164, 63)` looks like.

```
.text, #text, p{  
    color:rgb(37, 164, 63)  
}
```

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(37, 164, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 164, 63) }
```

Border

The CSS property to change the border of an element to Yxy 27.3031, 0.2904, 0.5309 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(37, 164, 63) }
```

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

```
.border{ border-color:rgb(37, 164, 63) }
```

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

Here you see how a box with a 4 pixel rgb(37, 164, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 164, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 164, 63);  
box-shadow:4px 4px 4px 4px rgb(37, 164,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3031, 0.2904, 0.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 164, 63) }
```

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

```
.background{ background-color: rgb(37, 164,  
63) }
```

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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