

Converting Colors

$Y_{xy}(27.4221, 0.3027, 0.5897)$

Have a look what the booklet for
Yxy(27.4221, 0.3027, 0.5897)
contains.

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Color

Yxy(27.5136, 0.3027, 0.5897)

Conversions

Conversions Part 1

Format	Color
Hex	19A60F
RGB	25, 166, 15
RGB Percent	10%, 65%, 6%
CMY	0.9021, 0.3490, 0.9409
CMYK	0.85, 0.00, 0.91, 0.35
HSL	116°, 83%, 36%
HSV	116°, 91%, 65%
XYZ	14.1231, 27.5136, 5.0203
YIQ	106.6270, -35.5650, -76.8530

Conversions

Conversions Part 2

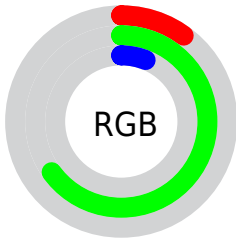
Format	Color
R_{YB}	15, 166, 156
Decimal	1680911
CIE _{Lab}	59.45, -60.37, 58.36
CIE _{LCh}	59, 83.971, 135.969
Yxy	27.5136, 0.3027, 0.5897
Android (android.graphics.Color)	4279870991 (0xFF19A60F)
YUV	106.6270, -45.1721, -71.5869
Hunter-Lab	52.4534, -43.7324, 31.0428

Details

The Yxy color **27.5136, 0.3027, 0.5897** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.1750, 0.3061, 0.1498**, and the grayscale version is **14.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5019, 0.3136, 0.5314**, and **11.5883, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.3442, 0.3016, 0.5987**, and if you desaturate by 10%, it is **27.8371, 0.3045, 0.5732**.

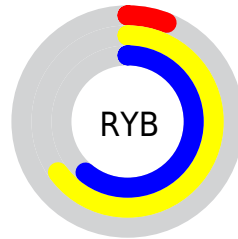
Distribution



Red (10%)

Green (65%)

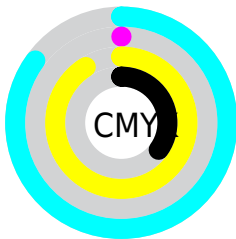
Blue (6%)



Red (6%)

Yellow (65%)

Blue (61%)

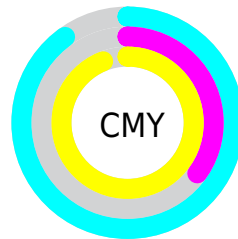


Cyan (85%)

Magenta (0%)

Yellow (91%)

Black (35%)



Cyan (90%)


Magenta (35%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5136, 0.3027, 0.5897 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 27.5136, 0.3027, 0.5897 by changing the saturation by 10% instead.


 27.5136, 0.3027,
0.5897


 27.5136, 0.3027,
0.5897


290.1354, 0.3202,
0.4392


 17.9593, 0.2914,
0.6313


 55.7069, 0.3136,
0.5310


 10.9208, 0.2721,
0.6856


 75.1148, 0.3161,
0.5100


 6.0136, 0.2394,
0.7606

 98.5760, 0.3178,
0.4928

 2.8533, 0.1671,
0.8329

 126.4748, 0.3188,
0.4784

 1.0557, 0.0000,
1.0000


 159.1958, 0.3194,
0.4663


 0.0000, 0.0000,
0.0000


 197.1233, 0.3198,


0.4559


 240.6417, 0.3200,
0.4470


 27.5136, 0.3027,
0.5897


 27.5136, 0.3027,
0.5897


 27.3442, 0.3016,
0.5987

 27.8371, 0.3045,
0.5732

 28.3299, 0.3063,
0.5491

 29.0126, 0.3081,
0.5189

 29.9018, 0.3095,
0.4853

 31.0125, 0.3107,
0.4506

■ 32.3581, 0.3116,
0.4168

■ 33.9510, 0.3122,
0.3852

■ 35.8029, 0.3125,
0.3566

■ 37.9245, 0.3127,
0.3312

Harmonies

Analogous

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



27.5136, 0.4183, 0.5490



27.5136, 0.3027, 0.5897



27.5136, 0.1949, 0.4870

Triad

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



27.5136, 0.3027, 0.5897



27.5136, 0.1211, 0.1547



27.5136, 0.5352, 0.2895

Complementary

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



27.5136, 0.3027, 0.5897



10.1750, 0.3061, 0.1498

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.



27.5136, 0.4091, 0.2201



27.5136, 0.3027, 0.5897



27.5136, 0.1717, 0.1470

Square

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



27.5136, 0.3027, 0.5897



27.5136, 0.1062, 0.2023



27.5136, 0.2688, 0.1696



27.5136, 0.5719, 0.3667

Rectangle

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



27.5136, 0.3027, 0.5897



27.5136, 0.1438, 0.3686



27.5136, 0.2688, 0.1696



27.5136, 0.5004, 0.2652

Sweetspot

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



27.5147, 0.3027, 0.5897



59.6617, 0.3118, 0.4057



31.8993, 0.4277, 0.4927



13.1506, 0.3116, 0.4163



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.5147, 0.3027, 0.5897



49.5920, 0.3012, 0.5991



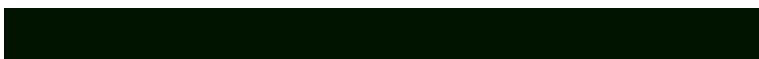
27.9621, 0.2755, 0.5035



8.4304, 0.3126, 0.3522



21.2111, 0.3018, 0.5986



0.5232, 0.3101, 0.5920

Inverse Universe

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



10.1750, 0.3061, 0.1498



17.6277, 0.3043, 0.1450



9.3826, 0.4482, 0.2307



7.6412, 0.3128, 0.3067



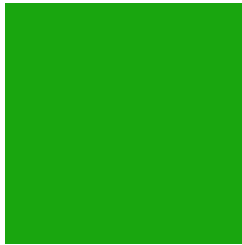
7.5552, 0.3048, 0.1453



0.1910, 0.3105, 0.1484

Previews

White Background



This preview shows how the Yxy color 27.5136, 0.3027, 0.5897 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 27.5136, 0.3027, 0.5897 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 27.5136, 0.3027, 0.5897

Background



This preview shows how black text looks on a background with the Yxy color 27.5136, 0.3027, 0.5897.



This preview shows how white text looks on a background with the Yxy color 27.5136, 0.3027, 0.5897.

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

27.5136, 0.3027, 0.5897

Protanopia

26.8196, 0.4403, 0.4886

Deuteranopia

26.9329, 0.4570, 0.4497



Tritanopia

27.3177, 0.2383, 0.3059

Trichromacy



Original Color

27.5136, 0.3027, 0.5897



Protanomaly

25.5237, 0.3730, 0.5395



Deuteranomaly

24.7891, 0.3833, 0.5125



Tritanomaly

26.4643, 0.2672, 0.4214

Monochromacy



Original Color

27.5136, 0.3027, 0.5897



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.5105, 0.3101, 0.4519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5136, 0.3027, 0.5897 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(25, 166, 15)` looks like.

```
.text, #text, p{  
    color:rgb(25, 166, 15)  
}
```

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(25, 166, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 166, 15) }
```

Border

The CSS property to change the border of an element to Yxy 27.5136, 0.3027, 0.5897 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(25, 166, 15) }
```

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

```
.border{ border-color:rgb(25, 166, 15) }
```

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

Here you see how a box with a 4 pixel rgb(25, 166, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 166, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 166, 15);  
box-shadow:4px 4px 4px 4px rgb(25, 166,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5136, 0.3027, 0.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 166, 15) }
```

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

```
.background{ background-color: rgb(25, 166,  
15) }
```

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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