

Converting Colors

$Y_{xy}(27.0489, 0.3026, 0.5725)$

Have a look what the booklet for
Yxy(27.0489, 0.3026, 0.5725)
contains.

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Color

$Yxy(27.0540, 0.3028, 0.5723)$

Conversions

Conversions Part 1

Format	Color
Hex	25A421
RGB	37, 164, 33
RGB Percent	15%, 64%, 13%
CMY	0.8547, 0.3569, 0.8707
CMYK	0.77, 0.00, 0.80, 0.36
HSL	118°, 67%, 39%
HSV	118°, 80%, 64%
XYZ	14.3141, 27.0540, 5.9043
YIQ	111.0930, -33.6410, -67.6650

Conversions

Conversions Part 2

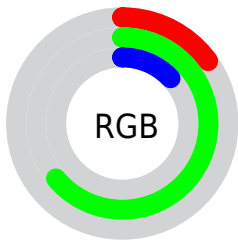
Format	Color
R_{YB}	33, 164, 160
Decimal	2466849
CIE _{Lab}	59.02, -57.36, 53.65
CIE _{LCh}	59, 78.542, 136.914
Yxy	27.0540, 0.3028, 0.5723
Android (android.graphics.Color)	4280656929 (0xFF25A421)
YUV	111.0930, -38.4998, -64.9796
Hunter-Lab	52.0135, -41.9004, 29.6791

Details

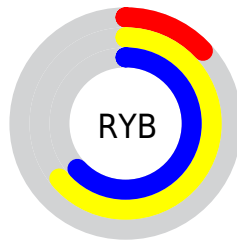
The Yxy color **27.0540, 0.3028, 0.5723** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.2324, 0.3144, 0.1625**, and the grayscale version is **16.0505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9109, 0.3121, 0.5159**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.7515, 0.3015, 0.5893**, and if you desaturate by 10%, it is **27.5315, 0.3043, 0.5475**.

Distribution



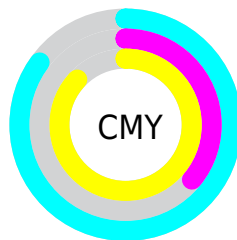
- Red (15%)
- Green (64%)
- Blue (13%)



- Red (13%)
- Yellow (64%)
- Blue (63%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (36%)




- Cyan (85%)
- Magenta (36%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0540, 0.3028, 0.5723 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 27.0540, 0.3028, 0.5723 by changing the saturation by 10% instead.


 27.0540, 0.3028,
0.5723


 27.0540, 0.3028,
0.5723


287.9185, 0.3183,
0.4310


 17.6138, 0.2929,
0.6125


 54.9705, 0.3123,
0.5166


 10.6731, 0.2755,
0.6651


 74.2156, 0.3145,
0.4969


 5.8474, 0.2494,
0.7506

 97.4977, 0.3160,
0.4808

 2.7525, 0.1793,
0.8207

 125.2014, 0.3170,
0.4674

 1.0039, 0.0000,
1.0000

 157.7109, 0.3176,
0.4561

 0.0000, 0.0000,
0.0000

 195.4106, 0.3179,

0.4465

238.6850, 0.3182,
0.4382

■ 27.0540, 0.3028,
0.5723

■ 27.0540, 0.3028,
0.5723

■ 26.7515, 0.3015,
0.5893

■ 27.5315, 0.3043,
0.5475

■ 26.5855, 0.3008,
0.5993

■ 28.2010, 0.3059,
0.5167

■ 26.5840, 0.3008,
0.5994

■ 29.0814, 0.3074,
0.4826

■ 30.1884, 0.3089,
0.4476

■ 31.5360, 0.3101,
0.4137

■ 33.1374, 0.3112,
0.3822

■ 35.0045, 0.3120,
0.3538

■ 37.1488, 0.3127,
0.3287

■ 39.5808, 0.3133,
0.3069

Harmonies

Analogous

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



27.0540, 0.4139, 0.5426



27.0540, 0.3028, 0.5723



27.0540, 0.1993, 0.4713

Triad

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



27.0540, 0.3028, 0.5723



27.0540, 0.1296, 0.1615



27.0540, 0.5253, 0.2953

Complementary

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



27.0540, 0.3028, 0.5723



11.2324, 0.3144, 0.1625

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.



27.0540, 0.4085, 0.2273



27.0540, 0.3028, 0.5723



27.0540, 0.1803, 0.1546

Square

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



27.0540, 0.3028, 0.5723



27.0540, 0.1143, 0.2072



27.0540, 0.2753, 0.1775



27.0540, 0.5591, 0.3712

Rectangle

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



27.0540, 0.3028, 0.5723



27.0540, 0.1505, 0.3622



27.0540, 0.2753, 0.1775



27.0540, 0.4932, 0.2714

Sweetspot

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



27.0551, 0.3028, 0.5723



58.7656, 0.3107, 0.3962



33.0168, 0.4166, 0.4896



12.6367, 0.3103, 0.4070



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.



27.0551, 0.3028, 0.5723



48.3145, 0.3007, 0.5969



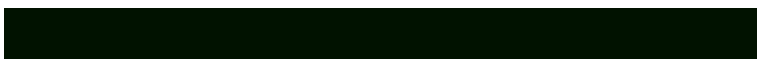
27.6844, 0.2712, 0.4713



7.9051, 0.3121, 0.3522



20.3871, 0.3009, 0.5993



0.4314, 0.3051, 0.5959

Inverse Universe

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



11.2324, 0.3144, 0.1625



18.4321, 0.3134, 0.1512



9.9555, 0.4356, 0.2370



7.1909, 0.3133, 0.3068



7.7026, 0.3133, 0.1500



0.1651, 0.3163, 0.1516

Previews

White Background



This preview shows how the Yxy color 27.0540, 0.3028, 0.5723 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 27.0540, 0.3028, 0.5723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

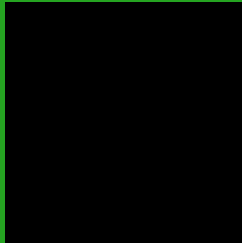
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0540, 0.3028, 0.5723

Background



This preview shows how black text looks on a background with the Yxy color 27.0540, 0.3028, 0.5723.



This preview shows how white text looks on a background with the Yxy color 27.0540, 0.3028, 0.5723.

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

27.0540, 0.3028, 0.5723

Protanopia

26.4998, 0.4335, 0.4783

Deuteranopia

26.4855, 0.4505, 0.4428



Tritanopia

27.0356, 0.2408, 0.3076

Trichromacy



Original Color

27.0540, 0.3028, 0.5723



Protanomaly

25.2284, 0.3731, 0.5218



Deuteranomaly

24.7779, 0.3819, 0.4980



Tritanomaly

26.4224, 0.2667, 0.4084

Monochromacy



Original Color

27.0540, 0.3028, 0.5723



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.4746, 0.3089, 0.4324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0540, 0.3028, 0.5723 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(37, 164, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 164, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.0540, 0.3028, 0.5723 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, 33) }
```

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

```
.border{ border-color:rgb(37, 164, 33) }
```

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, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 164, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 164, 33);  
box-shadow:4px 4px 4px 4px rgb(37, 164,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0540, 0.3028, 0.5723 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, 33) }
```

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

```
.background{ background-color: rgb(37, 164,  
33) }
```

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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